Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location Sample ID Date Sample Time Latitude Longitude	MECT MECT-081015-10 8/10/2015 14:15 37.21846 -109.19081	MECT MECT-081115-10 8/11/2015 13:45 37.21846 -109.19081	MECT MECT-081215-10 8/12/2015 13:45 37.21846 -109.19081	MECT MECT-081315-10 8/13/2015 13:25 37.21846 -109.19081	MECT MECT-081415-10 8/14/2015 13:00 37.21846 -109.19081
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**3100**	**1200**	**1200 B**	**6600**	**9400**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.12 UJ	< 0.11 UJ	< 0.11 UJ	< 0.016 UR	< 0.37 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**2.2 J**	**1.1**	**1.1**	**2.5**	**3.3**
Barium, Total	7440-39-3	mg/Kg	670000	--	**240**	**140**	**97 J**	**280**	**200 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.23 J**	**0.078**	**0.092**	**0.52**	**0.46**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.1**	**0.025 J**	**0.027 J**	**0.083 J**	< 0.34 U
Calcium, Total	7440-70-2	mg/Kg		--	**19000**	**11000 B**	**10000**	**12000**	**34000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**2.7**	**0.9 J**	< 0.13 U	**6.5**	**6.2**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**1.8 J**	**0.64**	**0.75**	**4.1**	**3.2**
Copper, Total	7440-50-8	mg/Kg	130000	--	**3.2 J**	**1.4 J+**	**1.4 J**	**7.5**	**7**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**5500**	**2300**	**2600**	**8700**	**10000**
Lead, Total	7439-92-1	mg/Kg	20000	--	**4.3 J**	**1.9**	**2.1 J**	**7.4**	**7.2**
Magnesium, Total	7439-95-4	mg/Kg		--	**2700**	**830 J-**	**780**	**3300**	**5700**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**200 J-**	**150**	**140 J-**	**260**	**320 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0092 U	< 0.0085 U	< 0.0086 U	< 0.0084 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.32 J**	**0.12 J**	**0.14 J**	**0.23**	**0.78 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**3.7**	**1 J**	**1 J**	**6.4**	**6.9**
Potassium, Total	7440-09-7	mg/Kg		--	**950**	**380**	**420**	**1300**	
Potassium, Total	9/7/7440	mg/Kg		--					**2500 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.18 J**	< 0.11 U	< 0.11 U	< 0.15 U	**0.45 J**
Silver, Total	7440-22-4	mg/Kg		--	**0.014 J**	< 0.011 U	< 0.011 U	**0.028 J**	
Sodium, Total	7440-23-5	mg/Kg		--	**100 J**	**51 J**	< 55 U	**310 J**	**210**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.067 J**	< 0.053 U	< 0.057 U	**0.11 J**	< 0.34 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**8.2 J-**	**3.7 J-**	**4**	**14**	**16**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**15 J-**	**4.6 J-**	**4.7 J**	**30**	**28**

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mg/kg - Parts per million (millligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	MECT	MECT	MECT	MECT	MECT
				Sample ID	MECT-081115-10	MECT-081215-10	MECT-081315-10	MECT-081415-10	MECT-081515-10
				Date	8/11/2015	8/12/2015	8/13/2015	8/14/2015	8/15/2015
				Sample Time	13:45	13:45	13:25	13:00	16:35
				Latitude	37.21846	37.21846	37.21846	37.21846	37.21846
				Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**1200**	**1200 B**	**6600**	**9400**	**4800**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.11 UJ	< 0.11 UJ	< 0.016 UR	< 0.37 U	< 0.33 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**1.1**	**1.1**	**2.5**	**3.3**	**2.7**
Barium, Total	7440-39-3	mg/Kg	670000	--	**140**	**97 J**	**280**	**200 J+**	**250 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.078**	**0.092**	**0.52**	**0.46**	**0.25 J**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.025 J**	**0.027 J**	**0.083 J**	< 0.34 U	< 0.31 U
Calcium, Total	7440-70-2	mg/Kg		--	**11000 B**	**10000**	**12000**	**34000**	**20000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**0.9 J**	< 0.13 U	**6.5**	**6.2**	**2.2**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**0.64**	**0.75**	**4.1**	**3.2**	**2.4**
Copper, Total	7440-50-8	mg/Kg	130000	--	**1.4 J+**	**1.4 J**	**7.5**	**7**	**3.6**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**2300**	**2600**	**8700**	**10000**	**9600 B**
Lead, Total	7439-92-1	mg/Kg	20000	--	**1.9**	**2.1 J**	**7.4**	**7.2**	**4.1**
Magnesium, Total	7439-95-4	mg/Kg		--	**830 J-**	**780**	**3300**	**5700**	**2500**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**150**	**140 J-**	**260**	**320 B**	**390 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0085 U	< 0.0086 U	< 0.0084 U	< 0.016 U	< 0.014 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.12 J**	**0.14 J**	**0.23**	**0.78 J**	< 0.61 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	**1 J**	**1 J**	**6.4**	**6.9**	**3.3**
Potassium, Total	7440-09-7	mg/Kg		--	**380**	**420**	**1300**		
Potassium, Total	9/7/7440	mg/Kg		--				**2500 J+**	**990 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	< 0.11 U	< 0.11 U	< 0.15 U	**0.45 J**	< 0.25 U
Silver, Total	7440-22-4	mg/Kg		--	< 0.011 U	< 0.011 U	**0.028 J**		
Sodium, Total	7440-23-5	mg/Kg		--	**51 J**	< 55 U	**310 J**	**210**	**110**
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.053 U	< 0.057 U	**0.11 J**	< 0.34 U	< 0.31 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**3.7 J-**	**4**	**14**	**16**	**9.9**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**4.6 J-**	**4.7 J**	**30**	**28**	**19**

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJ4C	SJ4C	SJ4C	SJ4C	SJ4C
				Sample ID	SJ4C-081015-10	SJ4C-081115-10	SJ4C-081215-10	SJ4C-081315-10	SJ4C-081415-10
				Date	8/10/2015	8/11/2015	8/12/2015	8/13/2015	8/14/2015
				Sample Time	15:05	9:52	14:35	14:43	12:40
				Latitude	36.99622	36.99622	36.99622	36.99622	36.99622
				Longitude	-109.00468	-109.00468	-109.00468	-109.00468	-109.00468
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**5700**	**5400**	**6100 B**	**7000**	**12000**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.13 UJ	< 0.12 UJ	< 0.13 UJ	< 0.018 UR	< 0.38 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**3.3**	**2.7**	**3.1**	**2**	**2.4**
Barium, Total	7440-39-3	mg/Kg	670000	--	**240**	**190**	**160 J**	**230**	**290 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.47**	**0.39**	**0.41**	**0.41**	**0.44**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.077**	**0.065**	**0.095**	**0.065 J**	< 0.36 U
Calcium, Total	7440-70-2	mg/Kg		--	**10000**	**11000 B**	**10000**	**19000**	**17000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**6.4**	**5**	**4.8 B**	**6.2**	**7.6**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**4.1**	**3.4**	**4.1**	**3.5**	**4.1**
Copper, Total	7440-50-8	mg/Kg	130000	--	**7.6 B**	**6.4 B**	**7 J**	**5.9**	**7.5**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**8900**	**8200**	**8700**	**8100**	**15000**
Lead, Total	7439-92-1	mg/Kg	20000	--	**7.7**	**6.3**	**8.8 J**	**6.1**	**7.7**
Magnesium, Total	7439-95-4	mg/Kg		--	**2900**	**3000 J-**	**2500**	**5000**	**5000**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**230**	**190**	**250 J-**	**230**	**240 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.01 U	< 0.0092 U	< 0.01 U F1	< 0.0082 U	< 0.017 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.41 J**	**0.42 J**	**0.42 J**	**0.19 J**	< 0.71 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	**6.6**	**5.7**	**5.7**	**6.3**	**6.6**
Potassium, Total	7440-09-7	mg/Kg		--	**1200**	**1200**	**1200**	**1700**	
Potassium, Total	9/7/7440	mg/Kg		--					**2400 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.18 J**	**0.15 J**	**0.2 J**	< 0.17 U	**0.41 J**
Silver, Total	7440-22-4	mg/Kg		--	**0.033 J**	**0.021 J**	**0.024 J**	< 0.026 U	
Sodium, Total	7440-23-5	mg/Kg		--	**220 J**	**250**	**500**	**370 J**	**410**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.089 J**	**0.08 J**	**0.088 J**	**0.093 J**	< 0.36 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**16 J-**	**12 J-**	**12**	**12**	**18**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**27 J-**	**23 J-**	**37 J**	**23**	**28**

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Surfacewater Analytical Data - Region 9
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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location / Sample ID / Date / Sample Time / Latitude / Longitude	SJ4C SJ4C-081515-10 8/15/2015 12:00 36.99622 -109.00468	SJBB SJBB-081015-10 8/10/2015 12:40 37.25737 -109.61859	SJBB SJBB-081115-10 8/11/2015 11:40 37.25737 -109.61859	SJBB SJBB-081215-10 8/12/2015 11:45 37.25737 -109.61859	SJBB SJBB-081315-10 8/13/2015 10:50 37.25737 -109.61859
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**7900**	**3700**	**3000**	**5300 B**	**4600**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.37 U	< 0.11 U	< 0.11 UJ	< 0.12 UJ	< 0.017 UR
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**1.9**	**2.1 J**	**2**	**2.6**	**1.6**
Barium, Total	7440-39-3	mg/Kg	670000	--	**180 J+**	**110**	**170**	**190 J**	**250**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.42**	**0.27 J**	**0.22**	**0.37**	**0.29**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.34 U	**0.058**	**0.052 J**	**0.084**	**0.05 J**
Calcium, Total	7440-70-2	mg/Kg		--	**20000**	**9500**	**8100 B**	**13000**	**11000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**7.2**	**3.1**	**2.9**	**4.9 B**	**3.8**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**3.5**	**2.5 J**	**2.1**	**3.5**	**2.4**
Copper, Total	7440-50-8	mg/Kg	130000	--	**5.8**	**4.9 J**	**4 B**	**6.1 J**	**3.9**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**8100 B**	**5400**	**5000**	**7800**	**6100**
Lead, Total	7439-92-1	mg/Kg	20000	--	**6**	**5.9 J**	**4.8**	**6.8 J**	**4.8**
Magnesium, Total	7439-95-4	mg/Kg		--	**5600**	**1600**	**1400 J-**	**2900**	**2400**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**250 B**	**210 J-**	**160**	**230 J-**	**180**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.017 U	< 0.0093 U	< 0.0086 U	< 0.0094 U	< 0.0081 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.68 U	**0.27 J**	**0.25 J**	**0.34 J**	**0.13 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**6.8**	**3.6**	**3.1**	**5.1**	**3.9**
Potassium, Total	7440-09-7	mg/Kg		--		**860**	**730**	**1200**	**1100**
Potassium, Total	9/7/7440	mg/Kg		--	**1900 J+**				
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.35 J**	**0.12 J**	< 0.11 U	**0.16 J**	< 0.16 U
Silver, Total	7440-22-4	mg/Kg		--		**0.017 J**	**0.015 J**	**0.022 J**	< 0.025 U
Sodium, Total	7440-23-5	mg/Kg		--	**380**	**200 J**	**240**	**260**	**210 J**
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.34 U	**0.057 J**	< 0.056 U	**0.076 J**	**0.069 J**
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**14**	**8.3 J-**	**8.3 J-**	**11**	**8.2**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**23**	**22 J-**	**18 J-**	**26 J**	**19**

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Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location Sample ID Date Sample Time Latitude Longitude	SJBB SJBB-081415-09 8/14/2015 11:50 37.25737 -109.61859	SJBB SJBB-081415-10 8/14/2015 11:50 37.25737 -109.61859	SJBB SJBB-081515-10 8/15/2015 12:50 37.25737 -109.61859	SJCH SJCH-081415-10 8/14/2015 6:00 37.29334 -110.39929	SJDS SJDS-081015-10 8/10/2015 13:25 36.89331 -108.87864
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**8400**	**9400**	**7100**	**5900**	**7100**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.35 U	< 0.35 U	< 0.36 U	**0.056 J-**	**0.14 J**
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**1.8**	**2.2**	**2**	**1.6**	**4.1 J**
Barium, Total	7440-39-3	mg/Kg	670000	--	**220 J+**	**230 J+**	**290 J+**	**160**	**200**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.35 J**	**0.49**	**0.41**	**0.38**	**0.51 J**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.32 U	< 0.33 U	< 0.33 U	**0.097 J**	**0.26**
Calcium, Total	7440-70-2	mg/Kg		--	**12000**	**11000**	**11000**	**24000**	**22000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**4.9**	**6.4**	**6.1**	**4.9**	**8.4**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**3**	**4.1**	**3.4**	**2.8**	**4.4 J**
Copper, Total	7440-50-8	mg/Kg	130000	--	**5.2 J**	**9.9 J**	**6.3**	**5.5**	**10 J**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**9700**	**9600**	**8500 B**	**7000**	**11000**
Lead, Total	7439-92-1	mg/Kg	20000	--	**5.5**	**7.4**	**7.2**	**5.5**	**10 J**
Magnesium, Total	7439-95-4	mg/Kg		--	**2900**	**2700**	**3100**	**4300**	**6100**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**210 B**	**240 B**	**220 B**	**210**	**240 J-**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.016 U	**0.018 J**	< 0.016 U	< 0.0077 U	**0.037**
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.65 U	< 0.65 U	< 0.66 U	**0.15 J**	**1 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**4.3**	**6**	**5.2**	**5**	**9.6**
Potassium, Total	7440-09-7	mg/Kg		--				**1500**	**1600**
Potassium, Total	9/7/7440	mg/Kg		--	**1700 J+**	**1800 J+**	**1400 J+**		
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.3 J**	**0.29 J**	**0.29 J**	< 0.14 U	**0.61 J**
Silver, Total	7440-22-4	mg/Kg		--				**0.022 J**	**0.059 J**
Sodium, Total	7440-23-5	mg/Kg		--	**340**	**380**	**240**	**310 J**	**240 J**
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.32 U	< 0.33 U	< 0.33 U	**0.085 J**	**0.17**
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**12**	**16**	**16**	**8.9**	**20 J-**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**22**	**28**	**25**	**21**	**51 J-**

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJDS	SJDS	SJDS	SJDS	SJDS
				Sample ID	SJDS-081115-10	SJDS-081215-10	SJDS-081315-09	SJDS-081315-10	SJDS-081415-10
				Date	8/11/2015	8/12/2015	8/13/2015	8/13/2015	8/14/2015
				Sample Time	11:40	11:50	13:30	12:38	10:45
				Latitude	36.89331	36.89331	36.89331	36.89331	36.89331
				Longitude	-108.87864	-108.87864	-108.87864	-108.87864	-108.87864
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**5600**	**7900 B**	**10000**	**9200**	**17000**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.12 UJ	**0.15 J-**	< 0.02 UR	**0.021 J-**	< 0.4 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**3.2**	**4.4**	**3.2**	**4.6**	**3.3**
Barium, Total	7440-39-3	mg/Kg	670000	--	**260**	**210 J**	**200**	**210**	**230 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.43**	**0.57**	**0.61**	**0.66**	**0.69**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.13**	**0.25**	**0.18**	**0.39**	< 0.37 U
Calcium, Total	7440-70-2	mg/Kg		--	**5700 B**	**19000**	**11000 J**	**27000 J**	**15000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**5.8**	**8.4 B**	**8.2**	**11**	**12**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**3.9**	**5.3**	**5.3**	**5**	**5.8**
Copper, Total	7440-50-8	mg/Kg	130000	--	**7.6 B**	**12 J**	**12**	**12**	**12**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**9000**	**12000**	**13000**	**12000**	**18000**
Lead, Total	7439-92-1	mg/Kg	20000	--	**8.9**	**11 J**	**10**	**11**	**10**
Magnesium, Total	7439-95-4	mg/Kg		--	**1800 J-**	**5300**	**4200 J**	**7400 J**	**6400**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**220**	**270 J-**	**270**	**240**	**280 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0095 U	< 0.011 U	**0.014 J**	**0.015 J**	< 0.017 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.52 J**	**0.91 J**	**0.42 J**	**1 J**	**0.82 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**5.5**	**10**	**8.4**	**13**	**9.8**
Potassium, Total	7440-09-7	mg/Kg		--	**1000**	**1700**	**1800**	**2000**	
Potassium, Total	9/7/7440	mg/Kg		--					**3000 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.19 J**	**0.58 J**	**0.25 J**	**0.77**	**0.55 J**
Silver, Total	7440-22-4	mg/Kg		--	**0.032 J**	**0.067 J**	**0.061 J**	**0.07 J**	
Sodium, Total	7440-23-5	mg/Kg		--	**310**	**260 J**	**390 J**	**320 J**	**480**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.095 J**	**0.19**	**0.16**	**0.26**	< 0.37 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**14 J-**	**20**	**18**	**23**	**28**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**41 J-**	**50 J**	**49**	**53**	**47**

Bold - Bolded results identify a detected value.

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J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (millligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location Sample ID Date Sample Time Latitude Longitude	SJDS SJDS-081515-10 8/15/2015 10:20 36.89331 -108.87864	SJFP SJFP-081015-10 8/10/2015 10:35 36.74816 -108.41202	SJFP SJFP-081115-10 8/11/2015 13:45 36.74816 -108.41202	SJFP SJFP-081215-09 8/12/2015 9:45 36.74816 -108.41202	SJFP SJFP-081215-10 8/12/2015 9:30 36.74816 -108.41202
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**12000**	**3200**	**6500**	**3800 B**	**3900 B**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.37 U	< 0.11 UJ	**0.13 J**	< 0.13 UJ	< 0.13 UJ
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**3.4**	**3.6 J**	**3.6**	**2.8**	**2.6**
Barium, Total	7440-39-3	mg/Kg	670000	--	**260 J+**	**200**	**250**	**210 J**	**210 J**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.7**	**0.29 J**	**0.53**	**0.33**	**0.32**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.35 U	**0.042 J**	**0.065**	**0.051 J**	**0.053 J**
Calcium, Total	7440-70-2	mg/Kg		--	**9500**	**3200**	**5200 B**	**3500**	**4300**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**11**	**3.4**	**7.1**	**3.9 B**	**3.7 B**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**6**	**2.8 J**	**5**	**3.1**	**3**
Copper, Total	7440-50-8	mg/Kg	130000	--	**12**	**4.4 J**	**9.2 B**	**5 J**	**5.1 J**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**14000 B**	**6100**	**10000**	**6700**	**6600**
Lead, Total	7439-92-1	mg/Kg	20000	--	**9.7**	**5.4 J**	**7.6**	**5.9 J**	**6.3 J**
Magnesium, Total	7439-95-4	mg/Kg		--	**4200**	**920**	**1900 J-**	**1100**	**1100**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**260 B**	**190 J-**	**240**	**190 J-**	**250 J-**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.017 U	< 0.0091 U	< 0.0093 U	< 0.0097 U	< 0.01 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.69 J**	**0.33 J**	**0.48 J**	**0.39 J**	**0.36 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**9.7**	**3.8**	**7.3**	**4**	**3.8**
Potassium, Total	7440-09-7	mg/Kg		--		**610**	**1200**	**740**	**750**
Potassium, Total	9/7/7440	mg/Kg		--	**2100 J+**				
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.39 J**	**0.13 J**	**0.2 J**	**0.14 J**	**0.15 J**
Silver, Total	7440-22-4	mg/Kg		--		**0.017 J**	**0.025 J**	**0.017 J**	**0.03 J**
Sodium, Total	7440-23-5	mg/Kg		--	**400**	**130 J**	**200 J**	**140 J**	**140 J**
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.35 U	**0.075 J**	**0.17**	< 0.063 U	**0.067 J**
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**28**	**10 J-**	**18 J-**	**11**	**11**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**44**	**23 J-**	**28 J-**	**22 J**	**24 J**

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location Sample ID Date Sample Time Latitude Longitude	SJFP SJFP-081315-10 8/13/2015 9:36 36.74816 -108.41202	SJFP SJFP-081415-10 8/14/2015 15:43 36.74816 -108.41202	SJFP SJFP-081515-10 8/15/2015 10:30 36.74816 -108.41202	SJHB SJHB-081015-09 8/10/2015 11:25 36.74519 -108.53776	SJHB SJHB-081015-10 8/10/2015 11:25 36.74519 -108.53776
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**4000**	**4700**	**6300**	**4100 J**	**2000 J**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.018 UR	**1.8**	< 0.36 U	< 0.11 UJ	< 0.11 UJ
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**2.2**	**1.7**	**2.1**	**2.3 J**	**1.9 J**
Barium, Total	7440-39-3	mg/Kg	670000	--	**190**	**160 J+**	**240 J+**	**220**	**160**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.3**	**0.29 J**	**0.39 J**	**0.29 J**	**0.17 J**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.044 J**	< 0.32 U	< 0.33 U	**0.064**	**0.041 J**
Calcium, Total	7440-70-2	mg/Kg		--	**2900**	**2900**	**3600**	**7900 J**	**2400 J**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**3.4**	**3.5**	**5.5**	**3.8 J**	**2 J**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**2.9**	**2.5**	**3.5**	**2.7 J**	**1.8 J**
Copper, Total	7440-50-8	mg/Kg	130000	--	**4.6**	**4.1**	**6.7**	**4.6 J**	**4.4 J**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**6200**	**6200**	**7600 B**	**6900**	**4500**
Lead, Total	7439-92-1	mg/Kg	20000	--	**5.4**	**5.6**	**8**	**5.9 J**	**8.4 J**
Magnesium, Total	7439-95-4	mg/Kg		--	**1100**	**1100**	**1500**	**1700 J**	**620 J**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**180**	**180 B**	**210 B**	**200 J-**	**180 J-**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0081 U	< 0.015 U	< 0.015 U	< 0.0092 U	< 0.0086 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.18 J**	< 0.63 U	< 0.66 U	**0.37 J**	**0.34 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**3.4**	**3.2**	**4.7**	**3.8**	**4.4**
Potassium, Total	7440-09-7	mg/Kg		--	**730**			**870 J**	**390 J**
Potassium, Total	9/7/7440	mg/Kg		--		**770 J+**	**1000 J+**		
Selenium, Total	7782-49-2	mg/Kg	17000	--	< 0.17 U	**0.34 J**	**0.3 J**	**0.13 J**	**0.11 J**
Silver, Total	7440-22-4	mg/Kg		--	< 0.026 U			**0.019 J**	**0.023 J**
Sodium, Total	7440-23-5	mg/Kg		--	**180 J**	**150**	**160**	**240**	**67 J**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.063 J**	< 0.32 U	< 0.33 U	**0.058 J**	< 0.057 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**8.7**	**9.7**	**14**	**11 J-**	**6.9 J-**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**21**	**20**	**28**	**23 J-**	**37 J-**

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location Sample ID Date Sample Time Latitude Longitude	SJHB SJHB-081115-10 8/11/2015 13:05 36.74519 -108.53776	SJHB SJHB-081215-10 8/12/2015 15:30 36.74519 -108.53776	SJHB SJHB-081315-10 8/13/2015 10:38 36.74519 -108.53776	SJHB SJHB-081415-10 8/14/2015 16:49 36.74519 -108.53776	SJHB SJHB-081515-10 8/15/2015 11:55 36.74519 -108.53776
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**4100**	**2600 B**	**2600**	**3400**	**2800**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.12 UJ	< 0.11 UJ	< 0.016 UR	< 0.36 U	< 0.34 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**2.5**	**2.3**	**1.6**	**2**	**1.7**
Barium, Total	7440-39-3	mg/Kg	670000	--	**180**	**130 J**	**330**	**160 J+**	**330 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.34**	**0.23**	**0.23**	< 0.2 U	**0.21 J**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.038 J**	**0.048 J**	**0.042 J**	< 0.33 U	< 0.31 U
Calcium, Total	7440-70-2	mg/Kg		--	**3800 B**	**2600**	**2900**	**2200**	**2000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**3.9**	**2.4 B**	**2.4**	**2.5**	**3.1**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**2.8**	**2.5**	**2.2**	**2.2**	**2.2**
Copper, Total	7440-50-8	mg/Kg	130000	--	**5.4 B**	**3.5 J**	**3.7**	**4.2**	**3.8**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**6700**	**4700**	**5100**	**5200**	**5800 B**
Lead, Total	7439-92-1	mg/Kg	20000	--	**5**	**6.6 J**	**5.9**	**6.9**	**13**
Magnesium, Total	7439-95-4	mg/Kg		--	**1200 J-**	**740**	**700**	**790**	**680**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**170**	**200 J-**	**230**	**230 B**	**220 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0093 U	< 0.0085 U	< 0.0075 U	< 0.016 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.36 J**	**0.33 J**	**0.18 J**	< 0.66 U	< 0.63 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	**4.5**	**2.7**	**2.6**	**2.4**	**2.4**
Potassium, Total	7440-09-7	mg/Kg		--	**800**	**490**	**480**		
Potassium, Total	9/7/7440	mg/Kg		--				**560 J+**	**440 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.12 J**	**0.12 J**	< 0.15 U	< 0.26 U	< 0.25 U
Silver, Total	7440-22-4	mg/Kg		--	**0.016 J**	**0.013 J**	< 0.023 U		
Sodium, Total	7440-23-5	mg/Kg		--	**160 J**	**100 J**	**140 J**	**110**	**93**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.075 J**	**0.063 J**	< 0.0041 U	< 0.33 U	< 0.31 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**11 J-**	**7.7**	**6.7**	**8.2**	**12**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**19 J-**	**28 J**	**25**	**32**	**28**

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Surfacewater Analytical Data - Region 9
Upper Animas River

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location Sample ID Date Sample Time Latitude Longitude	SJLP SJLP-081015-10 8/10/2015 9:40 36.73589 -108.25399	SJLP SJLP-081115-10 8/11/2015 14:25 36.73589 -108.25399	SJLP SJLP-081215-10 8/12/2015 9:05 36.73589 -108.25399	SJLP SJLP-081315-10 8/13/2015 9:20 36.73589 -108.25399	SJLP SJLP-081415-10 8/14/2015 14:45 36.73589 -108.25399
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**2800**	**2400**	**2300 B**	**3900**	**3400**
Antimony, Total	7440-36-0	mg/Kg	1300	--	**0.21 J**	< 0.11 UJ	< 0.11 UJ	< 0.018 UR	< 0.34 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**3.8 J**	**2.7**	**2.2**	**2.1**	**1.6**
Barium, Total	7440-39-3	mg/Kg	670000	--	**610**	**370**	**120 J**	**370**	**540 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.26 J**	**0.21**	**0.22**	**0.31**	**0.23 J**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.11**	**0.04 J**	**0.045 J**	**0.071 J**	< 0.32 U
Calcium, Total	7440-70-2	mg/Kg		--	**2900**	**2700 B**	**2700**	**3100**	**2600**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**4.6**	**3.5**	**2.3 B**	**3.1**	**4.4**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**2.8 J**	**2.1**	**2.3**	**2.7**	**2.4**
Copper, Total	7440-50-8	mg/Kg	130000	--	**8.3 J**	**4.2 B**	**3.3 J**	**6.1**	**3.8**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**9600**	**6300**	**4300**	**6500**	**7700**
Lead, Total	7439-92-1	mg/Kg	20000	--	**22 J**	**8**	**6.4 J**	**7.3**	**7**
Magnesium, Total	7439-95-4	mg/Kg		--	**850**	**730 J-**	**690**	**1100**	**810**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**290 J-**	**170**	**210 J-**	**200**	**190 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0093 U	< 0.0092 U	< 0.0098 U	< 0.0084 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.63 J**	**0.42 J**	**0.32 J**	**0.18 J**	< 0.64 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	**3.3**	**3**	**2.7**	**3**	**2.8**
Potassium, Total	7440-09-7	mg/Kg		--	**520**	**470**	**450**	**700**	
Potassium, Total	9/7/7440	mg/Kg		--					**580 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.23 J**	**0.16 J**	< 0.11 U	< 0.17 U	**0.49 J**
Silver, Total	7440-22-4	mg/Kg		--	**0.039 J**	**0.013 J**	**0.016 J**	< 0.025 U	
Sodium, Total	7440-23-5	mg/Kg		--	< 57 U	**56 J**	**80 J**	**180 J**	**100**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.11 J**	< 0.053 U	< 0.057 U	**0.063 J**	< 0.32 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**19 J-**	**11 J-**	**6.9**	**8.3**	**15**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**76 J-**	**23 J-**	**25 J**	**25**	**22**

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location / Sample ID / Date / Sample Time / Latitude / Longitude	SJLP SJLP-081515-10 8/15/2015 9:15 36.73589 -108.25399	SJMC SJMC-081015-10 8/10/2015 13:35 37.25823 -109.31060	SJMC SJMC-081115-10 8/11/2015 12:20 37.25823 -109.31060	SJMC SJMC-081215-09 8/12/2015 12:35 37.25823 -109.31060	SJMC SJMC-081215-10 8/12/2015 12:30 37.25823 -109.31060
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**3200**	**5200**	**4700**	**7500 B**	**7900 B**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.34 U	< 0.12 UJ	< 0.11 UJ	< 0.13 UJ	< 0.13 UJ
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**1.5**	**2.9 J**	**2.8**	**3.4**	**3.6**
Barium, Total	7440-39-3	mg/Kg	670000	--	**610 J+**	**240**	**200**	**200 J**	**210 J**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.23 J**	**0.38 J**	**0.36**	**0.48**	**0.51**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.32 U	**0.061**	**0.069**	**0.087**	**0.12**
Calcium, Total	7440-70-2	mg/Kg		--	**2200**	**12000**	**9100 B**	**26000**	**28000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**5.2**	**5.4**	**4.5**	**7.1 B**	**7.7 B**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**2.4**	**3.4 J**	**3.3**	**4.6**	**4.8**
Copper, Total	7440-50-8	mg/Kg	130000	--	**3.9**	**6.4 J**	**6 B**	**7.7 J**	**8.1 J**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**7100 B**	**8500**	**7200**	**9700**	**10000**
Lead, Total	7439-92-1	mg/Kg	20000	--	**7.2**	**6.6 J**	**6.7**	**8.2 J**	**8.5 J**
Magnesium, Total	7439-95-4	mg/Kg		--	**760**	**3200**	**2000 J-**	**5600**	**6000**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**170 B**	**210 J-**	**230**	**290 J-**	**310 J-**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.015 U	< 0.0098 U	< 0.0093 U	< 0.0096 U	< 0.01 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.63 U	**0.38 J**	**0.4 J**	**0.46 J**	**0.5 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**2.9**	**5.4**	**4.9**	**8**	**8.4**
Potassium, Total	7440-09-7	mg/Kg		--		**1100**	**960**	**1900**	**2100**
Potassium, Total	9/7/7440	mg/Kg		--	**520 J+**				
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.39 J**	**0.16 J**	**0.16 J**	**0.22 J**	**0.23 J**
Silver, Total	7440-22-4	mg/Kg		--		**0.034 J**	**0.022 J**	**0.039 J**	**0.033 J**
Sodium, Total	7440-23-5	mg/Kg		--	**88**	**190 J**	**210**	**420**	**460**
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.32 U	**0.069 J**	**0.12**	**0.11 J**	**0.12 J**
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**17**	**13 J-**	**12 J-**	**15**	**16**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**18**	**23 J-**	**26 J-**	**28 J**	**30 J**

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D - Diluted value qualifier.

mg/kg - Parts per million (millligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJMC	SJMC	SJMC	SJME	SJME
				Sample ID	SJMC-081315-10	SJMC-081415-10	SJMC-081515-10	SJME-081015-10	SJME-081115-09
				Date	8/13/2015	8/14/2015	8/15/2015	8/10/2015	8/11/2015
				Sample Time	12:55	12:30	17:00	14:40	13:35
				Latitude	37.25823	37.25823	37.25823	37.21681	37.21681
				Longitude	-109.31060	-109.31060	-109.31060	-109.19615	-109.19615
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**4400**	**9700**	**11000**	**4000**	**3500**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.017 UR	< 0.37 U	< 0.39 U	< 0.11 UJ	< 0.11 UJ
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**1.9**	**2.5**	**2.6**	**2.5 J**	**2.5**
Barium, Total	7440-39-3	mg/Kg	670000	--	**190**	**370 J+**	**220 J+**	**230**	**200**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.29**	**0.44**	**0.52**	**0.31 J**	**0.32**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.049 J**	< 0.34 U	< 0.36 U	**0.059**	**0.048 J**
Calcium, Total	7440-70-2	mg/Kg		--	**8400**	**13000**	**13000**	**7400**	**3400 B**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**3.7**	**7.8**	**8.1**	**4**	**3.8**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**2.6**	**4.1**	**4.6**	**2.9 J**	**2.8**
Copper, Total	7440-50-8	mg/Kg	130000	--	**4.3**	**7.9**	**9.3**	**4.9 J**	**4.8 B**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**6400**	**12000**	**12000 B**	**6800**	**5900**
Lead, Total	7439-92-1	mg/Kg	20000	--	**5.1**	**8.1**	**8.2**	**6.3 J**	**5.1**
Magnesium, Total	7439-95-4	mg/Kg		--	**2000**	**3600**	**4300**	**1600**	**1000 J-**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**200**	**260 B**	**270 B**	**210 J-**	**170**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0078 U	< 0.016 U	< 0.017 U	< 0.0083 U	< 0.01 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.16 J**	< 0.68 U	< 0.72 U	**0.31 J**	**0.33 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**3.8**	**6.4**	**7.2**	**3.9**	**3.8**
Potassium, Total	7440-09-7	mg/Kg		--	**930**			**860**	**690**
Potassium, Total	9/7/7440	mg/Kg		--		**2000 J+**	**2100 J+**		
Selenium, Total	7782-49-2	mg/Kg	17000	--	< 0.16 U	< 0.27 U	**0.36 J**	**0.13 J**	**0.14 J**
Silver, Total	7440-22-4	mg/Kg		--	< 0.025 U			**0.017 J**	**0.016 J**
Sodium, Total	7440-23-5	mg/Kg		--	**220 J**	**290**	**370**	**200 J**	**110 J**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.065 J**	< 0.34 U	< 0.36 U	**0.059 J**	**0.072 J**
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**8.8**	**21**	**19**	**12 J-**	**11 J-**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**23**	**30**	**32**	**24 J-**	**19 J-**

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJME	SJME	SJME	SJME	SJME
				Sample ID	SJME-081115-10	SJME-081215-10	SJME-081315-10	SJME-081415-10	SJME-081515-10
				Date	8/11/2015	8/12/2015	8/13/2015	8/14/2015	8/15/2015
				Sample Time	13:30	13:20	13:40	13:20	16:55
				Latitude	37.21681	37.21681	37.21681	37.21681	37.21681
				Longitude	-109.19615	-109.19615	-109.19615	-109.19615	-109.19615
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**3800**	**4200 B**	**1800**	**8900**	**6400**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.12 UJ	< 0.12 UJ	< 0.015 UR	< 0.37 U	< 0.37 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**2.4**	**2.8**	**0.92**	**2.1**	**2**
Barium, Total	7440-39-3	mg/Kg	670000	--	**210**	**160 J**	**140**	**210 J+**	**260 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.29**	**0.33**	**0.11**	**0.44**	**0.41**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.061**	**0.061**	**0.039 J**	< 0.34 U	< 0.35 U
Calcium, Total	7440-70-2	mg/Kg		--	**7600 J**	**10000**	**11000**	**12000**	**9800**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**3.7**	**4.6 B**	**1.1**	**6.6**	**6.1**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**2.8**	**3.5**	**0.87**	**3.8**	**3.4**
Copper, Total	7440-50-8	mg/Kg	130000	--	**5.3 B**	**6.1 J**	**1.9**	**7.4**	**5.9**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**6500**	**7100**	**2700**	**10000**	**8000 B**
Lead, Total	7439-92-1	mg/Kg	20000	--	**6.3**	**6.1 J**	**2.3**	**7.1**	**6.7**
Magnesium, Total	7439-95-4	mg/Kg		--	**1700 J-**	**2400**	**1100**	**3500**	**3100**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**200**	**210 J-**	**170**	**240 B**	**220 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0099 U	< 0.0095 U	< 0.0074 U	< 0.016 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.33 J**	**0.34 J**	**0.091 J**	< 0.69 U	**0.71 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**4.1**	**5.4**	**1.3**	**6**	**5.5**
Potassium, Total	7440-09-7	mg/Kg		--	**820**	**930**	**570**		
Potassium, Total	9/7/7440	mg/Kg		--				**1700 J+**	**1300 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.13 J**	**0.14 J**	< 0.15 U	**0.37 J**	**0.44 J**
Silver, Total	7440-22-4	mg/Kg		--	**0.023 J**	**0.019 J**	< 0.022 U		
Sodium, Total	7440-23-5	mg/Kg		--	**190 J**	**240**	**85 J**	**370**	**230**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.073 J**	**0.075 J**	< 0.0039 U	< 0.34 U	< 0.35 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**11 J-**	**12**	**3.5**	**16**	**15**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**23 J-**	**22 J**	**6.4**	**27**	**25**

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJMH	SJMH	SJMH	SJMH	SJMH
				Sample ID	SJMH-081015-10	SJMH-081115-10	SJMH-081215-10	SJMH-081315-10	SJMH-081415-10
				Date	8/10/2015	8/11/2015	8/12/2015	8/13/2015	8/14/2015
				Sample Time	11:35	10:35	10:35	14:43	10:15
				Latitude	37.14999	37.14999	37.14999	37.14999	37.14999
				Longitude	-109.86628	-109.86628	-109.86628	-109.86628	-109.86628
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**3600**	**2100**	**930 B**	**2100**	**2500**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.11 UJ	< 0.11 UJ	< 0.12 UJ	**0.043 J-**	< 0.32 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**2 J**	**1.9**	**0.7**	**0.78**	**0.45 J**
Barium, Total	7440-39-3	mg/Kg	670000	--	**240**	**500**	**39 J**	**130**	**42 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.27 J**	**0.16**	**0.083**	**0.17**	< 0.18 U
Cadmium, Total	7440-43-9	mg/Kg	1700	--	**0.062**	**0.039 J**	**0.023 J**	**0.025 J**	< 0.3 U
Calcium, Total	7440-70-2	mg/Kg		--	**12000**	**9500 B**	**16000**	**11000**	**19000**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**4**	**4**	**1.7 B**	**2.2**	**3.2**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**2.4 J**	**1.8**	**0.74**	**1.1**	**1**
Copper, Total	7440-50-8	mg/Kg	130000	--	**4.2 J**	**2.7 B**	**0.67 J**	**1.5**	**0.91 J**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**5800**	**7400**	**1900**	**2800**	**2800**
Lead, Total	7439-92-1	mg/Kg	20000	--	**5.1 J**	**4.7**	**1.4 J**	**2.1**	**1.8**
Magnesium, Total	7439-95-4	mg/Kg		--	**2200**	**1600 J-**	**2400**	**2300**	**3700**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**180 J-**	**130**	**77 J-**	**94**	**89 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0087 U	< 0.0087 U	< 0.01 U	< 0.007 U	< 0.014 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	**0.26 J**	**0.23 J**	< 0.095 U	**0.08 J**	< 0.59 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	**3.8**	**2.9**	**1.7**	**2**	**2.5**
Potassium, Total	7440-09-7	mg/Kg		--	**930**	**580**	**310**	**610**	
Potassium, Total	9/7/7440	mg/Kg		--					**800 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.13 J**	**0.11 J**	< 0.12 U	< 0.13 U	< 0.24 U
Silver, Total	7440-22-4	mg/Kg		--	**0.015 J**	< 0.011 U	< 0.012 U	< 0.021 U	
Sodium, Total	7440-23-5	mg/Kg		--	**160 J**	**81 J**	< 57 U	**98 J**	**67 J**
Thallium, Total	7440-28-0	mg/Kg	33	--	**0.1 J**	< 0.053 U	< 0.059 U	< 0.0036 U	< 0.3 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**10 J-**	**15 J-**	**3.5**	**4.3**	**5.1**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**17 J-**	**13 J-**	**3.7 J**	**7.5**	**6.1 J**

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Upper Animas River

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location / Sample ID / Date / Sample Time / Latitude / Longitude	SJMH SJMH-081515-10 8/15/2015 10:45 37.14999 -109.86628	SJSR SJSR-081015-10 8/10/2015 12:10 36.78162 -108.69278	SJSR SJSR-081115-10 8/11/2015 12:35 36.78162 -108.69278	SJSR SJSR-081215-10 8/12/2015 10:35 36.78162 -108.69278	SJSR SJSR-081315-10 8/13/2015 11:18 36.78162 -108.69278
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**3700**	**3000**	**1800**	**2900 B**	**3300**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.34 U	< 0.1 UJ	< 0.11 UJ	< 0.12 UJ	< 0.016 UR
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**1.3**	**2.3 J**	**3.6**	**2.8**	**2.1**
Barium, Total	7440-39-3	mg/Kg	670000	--	**240 J+**	**140**	**220**	**220 J**	**390**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.22 J**	**0.24 J**	**0.16**	**0.27**	**0.21**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.32 U	**0.04 J**	**0.046 J**	**0.051 J**	**0.058 J**
Calcium, Total	7440-70-2	mg/Kg		--	**8900**	**2700**	**1800 B**	**3000**	**2900**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**4.2**	**2.6**	**1.9**	**3.3 B**	**2.9**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**1.9**	**2.5 J**	**2.1**	**2.8**	**2.5**
Copper, Total	7440-50-8	mg/Kg	130000	--	**2.7**	**3.6 J**	**24 B**	**5.4 J**	**6.4**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**4800 B**	**5300**	**5700**	**6100**	**6400**
Lead, Total	7439-92-1	mg/Kg	20000	--	**4**	**6.1 J**	**16**	**8.4 J**	**9.3**
Magnesium, Total	7439-95-4	mg/Kg		--	**2000**	**850**	**570 J-**	**890**	**930**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**160 B**	**210 J-**	**240**	**230 J-**	**240**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.015 U	< 0.0089 U	< 0.0097 U	< 0.0087 U	< 0.0075 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.64 U	**0.27 J**	**0.46 J**	**0.4 J**	**0.21 J**
Nickel, Total	7440-02-0	mg/Kg	67000	--	**3**	**3**	**2.4**	**3.5**	**2.9**
Potassium, Total	7440-09-7	mg/Kg		--		**550**	**320**	**560**	**580**
Potassium, Total	9/7/7440	mg/Kg		--	**880 J+**				
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.31 J**	**0.11 J**	< 0.11 U	**0.34 J**	< 0.15 U
Silver, Total	7440-22-4	mg/Kg		--		**0.013 J**	**0.054 J**	**0.029 J**	**0.031 J**
Sodium, Total	7440-23-5	mg/Kg		--	**130**	**170 J**	**100 J**	**99 J**	**160 J**
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.32 U	< 0.051 U	< 0.056 U	< 0.06 U	**0.053 J**
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**11**	**7.9 J-**	**8.7 J-**	**11**	**8.6**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**17**	**26 J-**	**39 J-**	**34 J**	**34**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the RBC

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (millligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location Sample ID Date Sample Time Latitude Longitude	SJSR SJSR-081415-10 8/14/2015 9:10 36.78162 -108.69278	SJSR SJSR-081515-09 8/15/2015 9:05 36.78162 -108.69278	SJSR SJSR-081515-10 8/15/2015 9:05 36.78162 -108.69278
Metals, Total							
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	**4100**	**4800**	**6600**
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.34 U	< 0.36 U	< 0.35 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	**2.3**	**2**	**2.1**
Barium, Total	7440-39-3	mg/Kg	670000	--	**790 J+**	**270 J+**	**260 J+**
Beryllium, Total	7440-41-7	mg/Kg	6700	--	**0.24 J**	**0.3 J**	**0.4**
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.32 U	< 0.33 U	< 0.33 U
Calcium, Total	7440-70-2	mg/Kg		--	**3100**	**2900**	**3500**
Chromium, Total	7440-47-3	mg/Kg	4300000	--	**6.3**	**4.3**	**5.6**
Cobalt, Total	7440-48-4	mg/Kg	1000	--	**3.1**	**2.8**	**3.6**
Copper, Total	7440-50-8	mg/Kg	130000	--	**5.5**	**4.9**	**5.9**
Iron, Total	7439-89-6	mg/Kg	2300000	--	**14000**	**6700 B**	**7600 B**
Lead, Total	7439-92-1	mg/Kg	20000	--	**12**	**6.6**	**6.7**
Magnesium, Total	7439-95-4	mg/Kg		--	**1000**	**1200**	**1500**
Manganese, Total	7439-96-5	mg/Kg	160000	--	**260 B**	**200 B**	**200 B**
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.016 U	< 0.015 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.64 U	< 0.66 U	< 0.65 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	**3.3**	**3.5**	**4.7**
Potassium, Total	7440-09-7	mg/Kg		--			
Potassium, Total	9/7/7440	mg/Kg		--	**670 J+**	**790 J+**	**1000 J+**
Selenium, Total	7782-49-2	mg/Kg	17000	--	**0.27 J**	< 0.27 U	< 0.26 U
Silver, Total	7440-22-4	mg/Kg		--			
Sodium, Total	7440-23-5	mg/Kg		--	**110**	**150**	**220**
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.32 U	< 0.33 U	< 0.33 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	**28**	**13**	**15**
Zinc, Total	7440-66-6	mg/Kg	1000000	--	**37**	**30**	**26**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the RBC

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (millligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL	Drinking Water MCL	RCB	Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Location	MECT	MECT	MECT
										Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11
										Date	8/9/2015	8/10/2015	8/11/2015
										Sample Time	17:05	14:15	13:45
										Latitude	37.21846	37.21846	37.21846
										Longitude	-109.19081	-109.19081	-109.19081
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**62 J**	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**1.3**	**1.3**	**0.83 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**85**	**85**	**68**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	**160000**	**170000**	**48000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	**0.5**	**0.45**	**0.75**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**2.6**	**3 J+**	**1.9**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	**17 J**	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**0.072 J**	< 0.06 U	**0.14 J**
Magnesium, Dissolved	7439-95-4	ug/L								--	**68000**	**71000**	**5400**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**4.2**	**1.8 J**	**2.2 J**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**3**	**3.1 J-**	**1.7 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**3.4**	**3.8**	**1**
Potassium, Dissolved	7440-09-7	ug/L								--	**5400**	**5500**	**2800**
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.3 J**	< 0.58 U	**1.4 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	**67000**	**70000**	**28000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	**2.5**	**2.6**	**1.6**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**8600**	**9800**	**3000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**4.1**	**4.5**	**2.8**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**180**	**180**	**290**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**0.53**	**0.53**	**1.9**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	**0.13**	**0.1**	**0.18**
Calcium, Total	7440-70-2	ug/L								--	**190000**	**190000**	**77000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**5.9**	**7.5**	< 1 U
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**3.6**	**3.4**	**7.6**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--
Iron, Total	7439-89-6	ug/L	120000		120000					--
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--
Magnesium, Total	7439-95-4	ug/L								--
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--
Molybdenum, Total	7439-98-7	ug/L	830		830					--
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--
Potassium, Total	7440-09-7	ug/L								--
Potassium, Total	9/7/7440	ug/L								--
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--
Silver, Total	7440-22-4	ug/L	9.9			9.9				--
Sodium, Total	7440-23-5	ug/L								--
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--
General										
Alkalinity	STL00171	mg/L								--
pH	STL00204	SU								--
Total Dissolved Solids	STL00242	mg/L								--
Total Hardness	STL00009	mg/L								--
Total Suspended Solids	STL00161	mg/L								--

Bold - Bolded results identify a detected value.
Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)
* - exceeds MCL
J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)
MDL - Method Detection Limit
PQL - Practical Quantitation Limit, also known as reporting limit.
U - Analyte not detected at or above MDL qualifier
D - Diluted value qualifier.
mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.
ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Copper, Total	7440-50-8	ug/L	16
Iron, Total	7439-89-6	ug/L	120000
Lead, Total	7439-92-1	ug/L	5
Magnesium, Total	7439-95-4	ug/L	
Manganese, Total	7439-96-5	ug/L	200
Mercury, Total	7439-97-6	ug/L	0.77
Molybdenum, Total	7439-98-7	ug/L	830
Nickel, Total	7440-02-0	ug/L	90
Potassium, Total	7440-09-7	ug/L	
Potassium, Total	9/7/7440	ug/L	
Selenium, Total	7782-49-2	ug/L	5
Silver, Total	7440-22-4	ug/L	9.9
Sodium, Total	7440-23-5	ug/L	
Thallium, Total	7440-28-0	ug/L	1.7
Vanadium, Total	7440-62-2	ug/L	100
Zinc, Total	7440-66-6	ug/L	219
General			
Alkalinity	STL00171	mg/L	
pH	STL00204	SU	
Total Dissolved Solids	STL00242	mg/L	
Total Hardness	STL00009	mg/L	
Total Suspended Solids	STL00161	mg/L	

Bold - Bolded results identify a detected value.
Highlighted Identifies detection that exceed the PCL (minimum of li
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MDL - Method Detection Limit
PQL - Practical Quantitation Limit, also known as reporting limit.
U - Analyte not detected at or above MDL qualifier
D - Diluted value qualifier.
mg/L - Parts per million (millligrams per liter). Solids equivalent = mg
ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Drinking Water MCL	RCB	Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Location	MECT	MECT	MECT	MECT	MECT	MECT
						Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	MECT-081215-11	MECT-081315-11	MECT-081415-11
						Date	8/9/2015	8/10/2015	8/11/2015	8/12/2015	8/13/2015	8/14/2015
						Sample Time	17:05	14:15	13:45	13:45	13:25	13:00
						Latitude	37.21846	37.21846	37.21846	37.21846	37.21846	37.21846
						Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081
	170000	8358	3348	5000		--	**62 J**	< 24 U	< 24 U	**86 J**	**190 J**	< 25 U
6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U	< 1 U
10	50			100	200	--	**1.3**	**1.3**	**0.83 J**	**0.51 J**	< 0.37 U	**1.6 J**
2000	33000					--	**85**	**85**	**68**	**80**	**79**	**73**
4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.5 U
5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.5 U
						--	**160000**	**170000**	**48000**	**170000**	**160000**	**140000**
100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U	< 1 U	**1.3 J**	< 1 U
	50			50	1000	--	**0.5**	**0.45**	**0.75**	**0.52**	**0.59**	< 1 U
1300	6700	25	16	200	500	--	**2.6**	**3 J+**	**1.9**	**4.1**	**3.6**	**2.2 J**
	120000					--	**17 J**	< 17 U	< 17 U	**28 J**	**120**	< 10 U
15	200	130	5	5000	100	--	**0.072 J**	< 0.06 U	**0.14 J**	**0.13 J**	**0.17 J**	< 1 U
						--	**68000**	**71000**	**5400**	**75000**	**72000**	**63000**
	7800	3710	2050	200		--	**4.2**	**1.8 J**	**2.2 J**	**7.2**	**11**	**4**
2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.1 U
	830					--	**3**	**3.1 J-**	**1.7 J**	**3.3**	**3**	**2.8 J**
	3300	813	90	200	1000	--	**3.4**	**3.8**	**1**	**4**	**4.9**	**2.6 J**
						--	**5400**	**5500**	**2800**	**5600**	**5500**	**4200**
						--						
50	830	20	5	130	250	--	**1.3 J**	< 0.58 U	**1.4 J**	**1.2 J**	**2.2 ^**	< 1 U
		9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U
						--	**67000**	**70000**	**28000**	**70000**	**74000**	**61000**
2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U
	830			100	100	--	**2.5**	**2.6**	**1.6**	**2.8**	**2.2**	**2.2 J**
	50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U	**4.1 J**	**4.6 J**	< 5 U
	170000	8358	3348	5000		--	**8600**	**9800**	**3000**	**8400**	**9400**	**8600**
6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U	< 1 U
10	50			100	200	--	**4.1**	**4.5**	**2.8**	**3.1**	**3.3**	**3.4**
2000	33000					--	**180**	**180**	**290**	**150**	**170**	**150**
4	330	340	150	100	100	--	**0.53**	**0.53**	**1.9**	**0.41**	**0.47**	< 0.5 U
5	83	2.88	0.72	10	50	--	**0.13**	**0.1**	**0.18**	**0.096 J**	**0.097 J**	< 0.5 U
						--	**190000**	**190000**	**77000**	**190000**	**180000**	**180000**
100	220000	972	126	100	1000	--	**5.9**	**7.5**	< 1 U	**6.3**	**6.4**	**2.7 J**
	50			50	1000	--	**3.6**	**3.4**	**7.6**	**3**	**3.1**	**2.2**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1300	6700	25	16	200	500
Iron, Total	7439-89-6	ug/L	120000		120000					--		120000				
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	15	200	130	5	5000	100
Magnesium, Total	7439-95-4	ug/L								--						
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--		7800	3710	2050	200	
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	2	50	104	0.77		10
Molybdenum, Total	7439-98-7	ug/L	830		830					--		830				
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--		3300	813	90	200	1000
Potassium, Total	7440-09-7	ug/L								--						
Potassium, Total	9/7/7440	ug/L								--						
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	50	830	20	5	130	250
Silver, Total	7440-22-4	ug/L	9.9			9.9				--			9.9			
Sodium, Total	7440-23-5	ug/L								--						
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	2	1.7				
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--		830			100	100
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		50000	290	219	2000	25000
General																
Alkalinity	STL00171	mg/L								--						
pH	STL00204	SU								--						
Total Dissolved Solids	STL00242	mg/L								--						
Total Hardness	STL00009	mg/L								--						
Total Suspended Solids	STL00161	mg/L								--						

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values) **sted screening values)**

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL) ater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg. /Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg Kg

Location	MECT	MECT	MECT	MECT	MECT	MECT	MECT	SJ4C	SJ4C
Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	MECT-081215-11	MECT-081315-11	MECT-081415-11	MECT-081515-11	SJ4C-080915-11	SJ4C-081015-11
Date	8/9/2015	8/10/2015	8/11/2015	8/12/2015	8/13/2015	8/14/2015	8/15/2015	8/9/2015	8/10/2015
Sample Time	17:05	14:15	13:45	13:45	13:25	13:00	16:35	15:20	15:05
Latitude	37.21846	37.21846	37.21846	37.21846	37.21846	37.21846	37.21846	36.99622	36.99622
Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081	-109.00468	-109.00468
--	**62 J**	< 24 U	< 24 U	**86 J**	**190 J**	< 25 U	< 25 U	< 24 U	**28 J**
--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U	< 1 U	< 1 U	< 0.4 U	< 0.4 UJ
--	**1.3**	**1.3**	**0.83 J**	**0.51 J**	< 0.37 U	**1.6 J**	**1.4 J**	**0.56 J**	**1**
--	**85**	**85**	**68**	**80**	**79**	**73**	**80**	**76**	**68**
--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.5 U	< 0.5 U	< 0.15 U	< 0.15 U
--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.5 U	< 0.5 U	< 0.043 U	< 0.043 U
--	**160000**	**170000**	**48000**	**170000**	**160000**	**140000**	**150000**	**55000**	**48000**
--	< 1 U	< 1 U	< 1 U	< 1 U	**1.3 J**	< 1 U	< 1 U	< 1 U	< 1 U
--	**0.5**	**0.45**	**0.75**	**0.52**	**0.59**	< 1 U	< 1 U	< 0.12 U	**1.3**
--	**2.6**	**3 J+**	**1.9**	**4.1**	**3.6**	**2.2 J**	**2.4 J**	**1.7**	**2.4 J+**
--	**17 J**	< 17 U	< 17 U	**28 J**	**120**	< 10 U	< 10 U	< 17 U	**68**
--	**0.072 J**	< 0.06 U	**0.14 J**	**0.13 J**	**0.17 J**	< 1 U	< 1 U	< 0.06 U	**0.077 J**
--	**68000**	**71000**	**5400**	**75000**	**72000**	**63000**	**72000**	**6800**	**5700**
--	**4.2**	**1.8 J**	**2.2 J**	**7.2**	**11**	**4**	**3.5**	**4.3**	**3.1**
--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.1 U	< 0.1 U	< 0.08 U	< 0.08 U
--	**3**	**3.1 J-**	**1.7 J**	**3.3**	**3**	**2.8 J**	**3.2 J**	**1.9**	**1.9 J-**
--	**3.4**	**3.8**	**1**	**4**	**4.9**	**2.6 J**	**2.1 J**	**1**	**1.2**
--	**5400**	**5500**	**2800**	**5600**	**5500**	**4200**	**4900**	**2800**	**3000**
--									
--	**1.3 J**	< 0.58 U	**1.4 J**	**1.2 J**	**2.2 ^**	< 1 U	< 1 U	**1 J**	< 0.58 U
--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U
--	**67000**	**70000**	**28000**	**70000**	**74000**	**61000**	**73000**	**24000**	**34000**
--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U
--	**2.5**	**2.6**	**1.6**	**2.8**	**2.2**	**2.2 J**	**2.3 J**	**1**	**1.6**
--	< 2.8 U	< 2.8 U	< 2.8 U	**4.1 J**	**4.6 J**	< 5 U	< 5 U	< 2.8 U	< 2.8 U
--	**8600**	**9800**	**3000**	**8400**	**9400**	**8600**	**9500**	**33000**	**82000**
--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U	< 1 U	< 1 UJ	**0.4 J**	< 0.4 UJ
--	**4.1**	**4.5**	**2.8**	**3.1**	**3.3**	**3.4**	**3**	**13**	**16**
--	**180**	**180**	**290**	**150**	**170**	**150**	**140**	**540**	**810**
--	**0.53**	**0.53**	**1.9**	**0.41**	**0.47**	< 0.5 U	< 0.5 U	**2**	**4.5**
--	**0.13**	**0.1**	**0.18**	**0.096 J**	**0.097 J**	< 0.5 U	< 0.5 U	**0.11 J**	**0.32**
--	**190000**	**190000**	**77000**	**190000**	**180000**	**180000**	**200000**	**87000**	**84000**
--	**5.9**	**7.5**	< 1 U	**6.3**	**6.4**	**2.7 J**	**2.3 J**	**18**	**44**
--	**3.6**	**3.4**	**7.6**	**3**	**3.1**	**2.2**	**1.8 J**	**14**	**31**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	--	**9.6**	**9.5 B**
Iron, Total	7439-89-6	ug/L	120000		120000					--	--	**7600**	**7400**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	--	**7.9**	**7**
Magnesium, Total	7439-95-4	ug/L								--	--	**73000**	**77000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	--	**360**	**310**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	--	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	--	**3.1 J-**	**3.6 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	--	**9.8**	**9.9**
Potassium, Total	7440-09-7	ug/L								--	--	**8100**	**9000**
Potassium, Total	9/7/7440	ug/L								--	--		
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	--	< 0.58 U	**2.9 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	--	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	--	**67000**	**72000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	--	**0.16 J**	**0.17 J**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	--	**17**	**20**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	--	**29 J-**	**28**
General													
Alkalinity	STL00171	mg/L								--	--	**210**	**220**
pH	STL00204	SU								--	--	**8.26 J**	**8.38 J**
Total Dissolved Solids	STL00242	mg/L								--	--	**1000**	**1100**
Total Hardness	STL00009	mg/L								--	--	**780**	**800**
Total Suspended Solids	STL00161	mg/L								--	--	**620**	**430**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	MECT	MECT	MECT
										Sample ID	MECT-081115-11	MECT-081215-11	MECT-081315-11
										Date	8/11/2015	8/12/2015	8/13/2015
										Sample Time	13:45	13:45	13:25
										Latitude	37.21846	37.21846	37.21846
										Longitude	-109.19081	-109.19081	-109.19081
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 U	**86 J**	**190 J**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**0.83 J**	**0.51 J**	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**68**	**80**	**79**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	**48000**	**170000**	**160000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	**1.3 J**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	**0.75**	**0.52**	**0.59**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**1.9**	**4.1**	**3.6**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	**28 J**	**120**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**0.14 J**	**0.13 J**	**0.17 J**
Magnesium, Dissolved	7439-95-4	ug/L								--	**5400**	**75000**	**72000**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**2.2 J**	**7.2**	**11**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**1.7 J**	**3.3**	**3**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**1**	**4**	**4.9**
Potassium, Dissolved	7440-09-7	ug/L								--	**2800**	**5600**	**5500**
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.4 J**	**1.2 J**	**2.2 ^**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	**28000**	**70000**	**74000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	**1.6**	**2.8**	**2.2**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	**4.1 J**	**4.6 J**
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**3000**	**8400**	**9400**
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**2.8**	**3.1**	**3.3**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**290**	**150**	**170**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**1.9**	**0.41**	**0.47**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	**0.18**	**0.096 J**	**0.097 J**
Calcium, Total	7440-70-2	ug/L								--	**77000**	**190000**	**180000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	**6.3**	**6.4**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**7.6**	**3**	**3.1**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**15**	**10**	**8.5**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**1400**	**6500**	**7600**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**11**	**6.1**	**6.5**
Magnesium, Total	7439-95-4	ug/L								--	**8300**	**77000**	**77000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**700**	**270**	**290**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**0.68 J**	**3.7**	**3.6**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**5.2**	**9**	**9.8**
Potassium, Total	7440-09-7	ug/L								--	**3900**	**8300**	**8600**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.2 J**	**2.8**	**4.2 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	**30000**	**69000**	**74000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	**0.19 J**	**0.18 J**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**12**	**19**	**18**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**29**	**26**	**27**
General													
Alkalinity	STL00171	mg/L								--	**92**	**210**	**210**
pH	STL00204	SU								--	**8.23 J**	**8.3 J**	**8.32 J**
Total Dissolved Solids	STL00242	mg/L								--	**310**	**1100**	**970**
Total Hardness	STL00009	mg/L								--	**230**	**780**	**780**
Total Suspended Solids	STL00161	mg/L								--	**2700**	**360**	**370**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL			RCB		Aquatic Acute	Location	MECT	MECT	SJ4C
											Sample ID	MECT-081415-11	MECT-081515-11	SJ4C-080915-11
											Date	8/14/2015	8/15/2015	8/9/2015
											Sample Time	13:00	16:35	15:20
											Latitude	37.21846	37.21846	36.99622
											Longitude	-109.19081	-109.19081	-109.00468
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		< 25 U	< 25 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 1 U	< 1 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1.6 J**	**1.4 J**	**0.56 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**73**	**80**	**76**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.5 U	< 0.5 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.5 U	< 0.5 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**140000**	**150000**	**55000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		< 1 U	< 1 U	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**2.2 J**	**2.4 J**	**1.7**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 10 U	< 10 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 1 U	< 1 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**63000**	**72000**	**6800**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**4**	**3.5**	**4.3**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.1 U	< 0.1 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**2.8 J**	**3.2 J**	**1.9**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**2.6 J**	**2.1 J**	**1**
Potassium, Dissolved	7440-09-7	ug/L								--		**4200**	**4900**	**2800**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 1 U	< 1 U	**1 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 1 U	< 1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**61000**	**73000**	**24000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 1 U	< 1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**2.2 J**	**2.3 J**	**1**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 5 U	< 5 U	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**8600**	**9500**	**33000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 1 U	< 1 UJ	**0.4 J**
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**3.4**	**3**	**13**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**150**	**140**	**540**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.5 U	< 0.5 U	**2**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.5 U	< 0.5 U	**0.11 J**
Calcium, Total	7440-70-2	ug/L								--		**180000**	**200000**	**87000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**2.7 J**	**2.3 J**	**18**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**2.2**	**1.8 J**	**14**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**6.4**	**5.6**	**62**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**5900**	**5700**	**35000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**4.9**	**4.1**	**180**
Magnesium, Total	7439-95-4	ug/L								--	**77000**	**89000**	**17000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**260**	**210**	**740**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.1 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**3.1 J**	**3.3 J**	**2.8 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**6.3**	**5.4**	**20**
Potassium, Total	7440-09-7	ug/L								--	**7400 J+**	**8400**	**9300**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 1 U	< 1 U	**0.98 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 1 U	**1.3**
Sodium, Total	7440-23-5	ug/L								--	**74000**	**85000**	**26000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 1 U	< 1 UJ	**0.4**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**9.7**	**8.5**	**50**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**24 J**	**25 J**	**160 J-**
General													
Alkalinity	STL00171	mg/L								--	**230**	**220**	**88**
pH	STL00204	SU								--	**8.36 J**	**8.36 J**	**8.08 J**
Total Dissolved Solids	STL00242	mg/L								--	**1100**	**1200**	**140**
Total Hardness	STL00009	mg/L								--	**360**	**420**	**290**
Total Suspended Solids	STL00161	mg/L								--	**280**	**280**	**2000**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Aquatic Chronic	Location	SJ4C	SJ4C	SJ4C
											Sample ID	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12
											Date	8/10/2015	8/11/2015	8/11/2015
											Sample Time	15:05	9:52	9:52
											Latitude	36.99622	36.99622	36.99622
											Longitude	-109.00468	-109.00468	-109.00468
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**28 J**	**25 J**	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1**	**1.2**	**0.92 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**68**	**65**	**60**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**48000**	**46000**	**43000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**1.3**	**2.5**	**0.27 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**2.4 J+**	**2.5**	**2.4**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**68**	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.077 J**	**0.094 J**	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**5700**	**4900**	**4700**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**3.1**	**4.6**	< 1.2 U
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.9 J-**	**2**	**1.9 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.2**	**1.3**	**1.2**
Potassium, Dissolved	7440-09-7	ug/L								--		**3000**	**3300**	**3100**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	**0.78 J**	**1.7 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**34000**	**40000**	**38000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**1.6**	**2**	**1.5**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**82000**	**120000**	**110000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**16**	**24**	**23**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**810**	**1200**	**1100**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**4.5**	**7.4**	**7.1**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.32**	**0.31**	**0.35**
Calcium, Total	7440-70-2	ug/L								--		**84000**	**100000**	**99000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**44**	**55**	**53**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**31**	**48**	**46**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**74 B**	**120**	**110**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**70000**	**91000**	**86000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**71**	**89**	**84**
Magnesium, Total	7439-95-4	ug/L								--	**23000**	**28000**	**27000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1400**	**2000**	**2000**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.17 J**	**0.15 J**	**0.16 J**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.5 J-**	**0.99 J**	**0.96 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**40**	**55**	**52**
Potassium, Total	7440-09-7	ug/L								--	**16000**	**19000**	**18000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**4.2 J+**	**5.2**	**4.2**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.42 J**	**0.55 J**	**0.52 J**
Sodium, Total	7440-23-5	ug/L								--	**36000**	**43000**	**41000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.81**	**1.2**	**1.1**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**110**	**130**	**130**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**220**	**270**	**250**
General													
Alkalinity	STL00171	mg/L								--	**83**	**97**	**96**
pH	STL00204	SU								--	**8.22 J**	**8.2 J**	**8.19 J**
Total Dissolved Solids	STL00242	mg/L								--	**390**	**140**	**350**
Total Hardness	STL00009	mg/L								--	**300**	**380**	**360**
Total Suspended Solids	STL00161	mg/L								--	**4000**	**6700**	**5200**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJ4C	SJ4C	SJ4C
											Sample ID	SJ4C-081215-11	SJ4C-081315-11	SJ4C-081415-11
											Date	8/12/2015	8/13/2015	8/14/2015
											Sample Time	14:35	14:41	12:40
											Latitude	36.99622	36.99622	36.99622
											Longitude	-109.00468	-109.00468	-109.00468
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**840**	**4900**	**230**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1**	**1.4**	**1.1**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**85**	**120**	**75**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	**0.19 J**	< 0.25 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.25 U
Calcium, Dissolved	7440-70-2	ug/L								--		**56000**	**55000**	**51000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	**2.5**	< 0.5 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.45**	**1.4**	< 0.5 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**3.6**	**7.7**	**2.6**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**490**	**3500**	**99**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.79**	**2.4**	< 0.5 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**7400**	**7100**	**6400**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**24**	**47**	**3.8**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.5**	**2.4**	**1.8 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.8**	**3.4**	**0.88 J**
Potassium, Dissolved	7440-09-7	ug/L								--		**3100**	**4900**	**3200**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	**2.3**	**0.97 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.5 U
Sodium, Dissolved	7440-23-5	ug/L								--		**26000**	**58000**	**40000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.5 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**4.3**	**8.5**	**1.8 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**4.6 J**	**13 J**	< 2.5 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**24000**	**80000**	**25000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.5 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**4.2**	**14**	**5.9**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**260**	**670**	**340**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**1.1**	**3.9**	**1.4**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.11**	**0.35**	**0.51 J**
Calcium, Total	7440-70-2	ug/L								--		**83000**	**92000**	**75000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**13**	**38**	**9.2**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**7.6**	**26**	**8.4**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**17**	**72**	**27**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**16000**	**67000**	**22000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**15**	**49**	**20**
Magnesium, Total	7439-95-4	ug/L								--	**15000**	**23000**	**13000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**360**	**930**	**380**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	**0.14 J**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.6**	**2.5**	**1.6 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**12**	**34**	**12**
Potassium, Total	7440-09-7	ug/L								--	**8400**	**14000**	**7500 J+**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1 J**	**3.5 J+**	**1.2 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	**0.22 J**	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	**28000**	**61000**	**48000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.23**	**0.89**	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**35**	**100**	**30**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**50**	**190**	**74**
General													
Alkalinity	STL00171	mg/L								--	**110**	**100**	**110**
pH	STL00204	SU								--	**8.17 J**	**8.07 J**	**8.22 J**
Total Dissolved Solids	STL00242	mg/L								--	**300**	**250**	**380**
Total Hardness	STL00009	mg/L								--	**270**	**320**	**240**
Total Suspended Solids	STL00161	mg/L								--	**1200**	**5700**	**600**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJ4C	SJBB	SJBB
											Sample ID	SJ4C-081515-11	SJBB-080915-11	SJBB-081015-11
											Date	8/15/2015	8/9/2015	8/10/2015
											Sample Time	12:00	18:25	12:40
											Latitude	36.99622	37.25737	37.25737
											Longitude	-109.00468	-109.61859	-109.61859
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**470**	< 24 U	**200**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.5 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1.1**	**1.1**	**0.8 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**80**	**74**	**77**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.25 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.25 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**54000**	**57000**	**57000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 0.5 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		< 0.5 U	**0.13 J**	**0.42**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**2.9**	**2.3**	**2.5 J+**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**220**	< 17 U	**88**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 0.5 U	< 0.06 U	**0.29 J**
Magnesium, Dissolved	7439-95-4	ug/L								--		**7600 J-**	**8000**	**7900**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**8.9**	< 1.2 U	**2.8**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.6 J**	**2.1**	**2.1 J-**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1 J**	**1.2**	**1.1**
Potassium, Dissolved	7440-09-7	ug/L								--		**2500**	**3400**	**3100**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**0.77 J**	**0.86 J**	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.5 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**26000 J-**	**31000**	**27000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.5 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**2.6**	**2.8**	**1.7**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**2.6 J**	< 2.8 U	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**22000**	**53000**	**42000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.5 U	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**5**	**9.2**	**13**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**270**	**720**	**610**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**0.92**	**3.1**	**2.4**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.25 J**	**0.12 J**	**0.27**
Calcium, Total	7440-70-2	ug/L								--		**76000**	**130000**	**100000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**7.8**	**27**	**25**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**7**	**22**	**18**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**23**	**51**	**56 B**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**18000**	**43000**	**39000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**18**	**40**	**120**
Magnesium, Total	7439-95-4	ug/L								--	**14000**	**26000**	**21000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**370**	**1200**	**950**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.3 J**	**1.5 J-**	**2.3 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**10**	**32**	**26**
Potassium, Total	7440-09-7	ug/L								--	**6300**	**13000**	**11000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1 J**	< 0.58 U	**3.9 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	**0.2 J**	**0.86 J**
Sodium, Total	7440-23-5	ug/L								--	**31000**	**35000**	**29000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	**0.57**	**0.48**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**25**	**68**	**63**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**68**	**150 J-**	**160**
General													
Alkalinity	STL00171	mg/L								--	**110**	**110**	**94**
pH	STL00204	SU								--	**8.25 J**	**8.1 J**	**8.2 J**
Total Dissolved Solids	STL00242	mg/L								--	**310**	**310**	**380**
Total Hardness	STL00009	mg/L								--	**250**	**430**	**340**
Total Suspended Solids	STL00161	mg/L								--	**640**	**430**	**2300**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJBB	SJBB	SJBB
											Sample ID	SJBB-081115-11	SJBB-081215-11	SJBB-081315-11
											Date	8/11/2015	8/12/2015	8/13/2015
											Sample Time	11:30	11:45	10:50
											Latitude	37.25737	37.25737	37.25737
											Longitude	-109.61859	-109.61859	-109.61859
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**1600**	< 24 U	**3300 J**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1.2**	**0.72 J**	**1.2**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**70**	**68**	**120 J**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	**0.23 J**
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**46000**	**52000**	**67000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	**2.2**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.87**	**0.13 J**	**1.4 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**3.2**	**3.4**	**5.3 J**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**840**	< 17 U	**1800 J**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.67**	< 0.06 U	**2.9 J**
Magnesium, Dissolved	7439-95-4	ug/L								--		**5600**	**7000**	**9700**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**13**	**1.2 J**	**100 J**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.9**	**1.9 J**	**1.5**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.4**	**1.7**	**3.6 J**
Potassium, Dissolved	7440-09-7	ug/L								--		**3400**	**3300**	**4300**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**1.3 J**	**0.82 J**	**1.9 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**37000**	**36000**	**36000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**3.7**	**2.2**	**7.1 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**4.9 J**	< 2.8 U	**13 J**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**110000**	**110000**	**89000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**21**	**21**	**17 J**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**1000**	**890**	**1100 J**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**6.3**	**5.6**	**4.3 J**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.33**	**0.6**	**0.35 J**
Calcium, Total	7440-70-2	ug/L								--		**99000**	**100000**	**200000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**50**	**52**	**49 J**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**42**	**37**	**33 J**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**100**	**86**	**66 J**	
Iron, Total	7439-89-6	ug/L	120000		120000					--	**85000**	**85000**	**70000 J**	
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**82**	**78**	**64 J**	
Magnesium, Total	7439-95-4	ug/L								--	**27000**	**29000**	**44000**	
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1800**	**1700**	**1900 J**	
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.12 J**	< 0.08 U	< 0.08 U	
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1**	**1.7 J**	**2.7**	
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**49**	**45**	**53 J**	
Potassium, Total	7440-09-7	ug/L								--	**17000**	**18000**	**22000**	
Potassium, Total	9/7/7440	ug/L								--				
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**3.8**	**3.8**	**5.5 J+**	
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.51 J**	**0.42 J**	**0.27 J**	
Sodium, Total	7440-23-5	ug/L								--	**40000**	**39000**	**37000**	
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**1**	**1**	**0.94 J**	
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**120**	**140**	**120**	
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**250**	**210**	**220 J**	
General														
Alkalinity	STL00171	mg/L								--	**97**	**100**	**110**	
pH	STL00204	SU								--	**8.23 J**	**8.21 J**	**8.21 J**	
Total Dissolved Solids	STL00242	mg/L								--	**330**	**300**	**280**	
Total Hardness	STL00009	mg/L								--	**360**	**380**	**690**	
Total Suspended Solids	STL00161	mg/L								--	**5100**	**3800**	**3300**	

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJBB	SJBB	SJBB
											Sample ID	SJBB-081315-12	SJBB-081415-11	SJBB-081515-11
											Date	8/13/2015	8/14/2015	8/15/2015
											Sample Time	11:00	11:50	12:50
											Latitude	37.25737	37.25737	37.25737
											Longitude	-109.61859	-109.61859	-109.61859
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		< 24 UJ	**13000**	**390**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 1 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1.2**	**3.7**	**1.4 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**86 J**	**250**	**100**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	**1.1**	< 0.5 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.5 U	< 0.5 U
Calcium, Dissolved	7440-70-2	ug/L								--		**59000**	**68000**	**55000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	**5.4**	**1.1 J**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.2 J**	**5.7**	< 1 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**3.4 J**	**17**	**3.8 J**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 17 UJ	**6000**	**190**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 0.06 UJ	**11**	**1.2 J**
Magnesium, Dissolved	7439-95-4	ug/L								--		**8500**	**11000**	**7800**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**14 J**	**330**	**26**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.1 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.9**	**1.3 J**	**2 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**2.1 J**	**7.8**	**1.8 J**
Potassium, Dissolved	7440-09-7	ug/L								--		**3500**	**5300**	**3400**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**1.5 J**	**1.3 J**	**1.1 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**36000**	**50000**	**44000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 1 U	< 1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**2.1 J**	**21**	**5.3**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	**36 J**	**5.2 J**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**110000**	**120000**	**64000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 1 U	< 1 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**24 J**	**23**	**14**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**1500 J**	**1800**	**850**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**6.7 J**	**6.5**	**3.4**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.59 J**	**1.1 J**	**0.6 J**
Calcium, Total	7440-70-2	ug/L								--		**260000**	**170000**	**110000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**69 J**	**39**	**25**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**48 J**	**49**	**24**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**95 J**	**130**	**67**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**99000 J**	**120000**	**57000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**90 J**	**120**	**60**
Magnesium, Total	7439-95-4	ug/L								--	**56000**	**45000**	**25000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**2900 J**	**2300**	**1200**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	**0.26**	**0.15 J**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**3.3**	**1.4 J**	**1.3 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**77 J**	**55**	**30**
Potassium, Total	7440-09-7	ug/L								--	**28000**	**18000 J+**	**13000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**6.4 J+**	**3.6 J**	**2.6 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.5 J**	< 1 U	< 1 U
Sodium, Total	7440-23-5	ug/L								--	**39000**	**58000**	**52000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**1.4 J**	< 1 U	< 1 UJ
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**160**	**110**	**73**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**310 J**	**410**	**200**
General													
Alkalinity	STL00171	mg/L								--	**100**	**110**	**110**
pH	STL00204	SU								--	**8.11 J**	**8.19 J**	**8.25 J**
Total Dissolved Solids	STL00242	mg/L								--	**280**	**390**	**390**
Total Hardness	STL00009	mg/L								--	**880**	**230**	**130**
Total Suspended Solids	STL00161	mg/L								--	**3300**	**9700**	**4100**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJCH	SJCH	SJDS
											Sample ID	SJCH-081415-11	SJCH-081415-12	SJDS-080915-11
											Date	8/14/2015	8/14/2015	8/9/2015
											Sample Time	6:00	6:00	13:15
											Latitude	37.29334	37.29334	36.89331
											Longitude	-110.39929	-110.39929	-108.87864
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**1000 J**	**440 J**	**1400**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 1 U	< 1 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**2.2**	**1.8 J**	**0.81 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**120**	**110**	**80**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.5 U	< 0.5 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.5 U	< 0.5 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**46000**	**47000**	**54000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		< 1 U	< 1 U	**0.54**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**3.2 J**	**3.1 J**	**3.5**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**510 J**	**210 J**	**1000**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 1 U	< 1 U	**3.5**
Magnesium, Dissolved	7439-95-4	ug/L								--		**6800**	**6900**	**6800**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**11**	**4.5**	**32**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.1 U	< 0.1 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**3 J**	**2.8 J**	**1.7**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.3 J**	< 1 U	**1.5**
Potassium, Dissolved	7440-09-7	ug/L								--		**3400**	**3400**	**2800**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 1 U	< 1 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 1 U	< 1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**40000**	**41000**	**24000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 1 U	< 1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**5**	**4.1**	**2.8**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 5 U	< 5 U	**7 J**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**67000**	**65000**	**31000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 1 UJ	< 1 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**21**	**21**	**9.4**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**1800**	**2000**	**490**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**5.4**	**5.6**	**1.8**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.89 J**	**0.99 J**	**0.12 J**
Calcium, Total	7440-70-2	ug/L								--		**290000**	**270000**	**72000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**35 J-**	**33 J-**	**18**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**31 J-**	**34 J-**	**13**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**71 J-**	**75 J-**	**44**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**48000**	**46000**	**31000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**81**	**91**	**96**
Magnesium, Total	7439-95-4	ug/L								--	**47000**	**46000**	**14000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**2000**	**2400**	**700**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.25**	**0.21**	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**2.1 J-**	**1.2 J-**	**1.7 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**50 J-**	**53 J-**	**17**
Potassium, Total	7440-09-7	ug/L								--	**14000 J+**	**13000 J+**	**8100**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**3.3 J-**	**2.6 J-**	**1.1 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 1 U	**0.67 J**
Sodium, Total	7440-23-5	ug/L								--	**45000**	**41000**	**26000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 1 UJ	< 1 UJ	**0.35**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**91 J-**	**85 J-**	**43**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**230 J-**	**240 J-**	**130 J-**
General													
Alkalinity	STL00171	mg/L								--	**190**	**190**	**92**
pH	STL00204	SU								--	**8.12 J**	**8.14 J**	**8.07 J**
Total Dissolved Solids	STL00242	mg/L								--	**350**	**340**	**160**
Total Hardness	STL00009	mg/L								--	**920**	**860**	**240**
Total Suspended Solids	STL00161	mg/L								--	**15000 J**	**9100 J**	**2100**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJDS	SJDS	SJDS
											Sample ID	SJDS-081015-11	SJDS-081115-11	SJDS-081215-11
											Date	8/10/2015	8/11/2015	8/12/2015
											Sample Time	13:25	11:40	11:50
											Latitude	36.89331	36.89331	36.89331
											Longitude	-108.87864	-108.87864	-108.87864
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**29 J**	**69 J**	**24 J**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.51 J**	**0.97 J**	**0.52 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**64**	**71**	**73**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**47000**	**53000**	**56000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.33 J**	**2.1**	**2.7**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**2.4 J+**	**2.5**	**2.2**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 17 U	**34 J**	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.06 J**	**0.086 J**	**0.063 J**
Magnesium, Dissolved	7439-95-4	ug/L								--		**5500**	**7000**	**7100**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**1.7 J**	**5**	**6.1**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.8 J-**	**2 J**	**1.7 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.2**	**1.3**	**1.4**
Potassium, Dissolved	7440-09-7	ug/L								--		**3000**	**3100**	**2800**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	**0.97 J**	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**34000**	**36000**	**29000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**1.5**	**1.8**	**1.6**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**79000**	**64000**	**51000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**15**	**12**	**9.2**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**810**	**620**	**440**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**4.5**	**3.6**	**2.9**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.31**	**0.29**	**0.27**
Calcium, Total	7440-70-2	ug/L								--		**81000**	**81000**	**79000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**39**	**32**	**25**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**29**	**24**	**18**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**74 B**	**59**	**42**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**67000**	**53000**	**39000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**69**	**58**	**38**
Magnesium, Total	7439-95-4	ug/L								--	**22000**	**21000**	**17000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1300**	**1000**	**810**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.1 J**	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.2 J-**	**1.2 J**	**1.5 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**38**	**30**	**20**
Potassium, Total	7440-09-7	ug/L								--	**15000**	**13000**	**10000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**3.3 J+**	**3.4**	**2.5**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.44 J**	**0.32 J**	**0.18 J**
Sodium, Total	7440-23-5	ug/L								--	**38000**	**39000**	**30000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.74**	**0.63**	**0.47**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**98**	**82**	**69 F1**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**210**	**160**	**110 F1**
General													
Alkalinity	STL00171	mg/L								--	**93**	**100**	**98**
pH	STL00204	SU								--	**8.17 J**	**8.28 J**	**8.19 J**
Total Dissolved Solids	STL00242	mg/L								--	**340**	**340**	**300**
Total Hardness	STL00009	mg/L								--	**290**	**290**	**270**
Total Suspended Solids	STL00161	mg/L								--	**4300**	**2600**	**2000**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJDS	SJDS	SJDS
											Sample ID	SJDS-081315-11	SJDS-081315-12	SJDS-081415-11
											Date	8/13/2015	8/13/2015	8/14/2015
											Sample Time	12:36	12:59	10:45
											Latitude	36.89331	36.89331	36.89331
											Longitude	-108.87864	-108.87864	-108.87864
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**82000**	**79000**	**5400**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**13**	**13**	**1.7**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**620**	**600**	**100**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**3.8**	**3.7**	< 0.25 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.27 J+**	**0.25 J+**	< 0.25 U
Calcium, Dissolved	7440-70-2	ug/L								--		**92000**	**90000**	**54000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**39**	**39**	**2.1**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**26**	**25**	**1.4**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**68**	**71**	**5.7**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**67000**	**65000**	**2500**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**48**	**47**	**3**
Magnesium, Dissolved	7439-95-4	ug/L								--		**22000**	**22000**	**7500**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**950**	**930**	**62**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**3**	**2.9**	**1.5 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**35**	**34**	**2.3**
Potassium, Dissolved	7440-09-7	ug/L								--		**15000**	**15000**	**3800**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**3.3 ^**	**4.1 ^**	**0.73 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		**0.21 J**	**0.26 J**	< 0.5 U
Sodium, Dissolved	7440-23-5	ug/L								--		**63000**	**62000**	**33000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		**0.86**	**0.84**	< 0.5 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**110**	**110**	**7.6**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**180**	**180**	**14 J**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**170000**	**180000**	**44000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**33**	**31**	**9.4**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**1400**	**1400**	**540**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**8.9**	**8.8**	**2.1**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.49**	**0.49**	**0.37 J**
Calcium, Total	7440-70-2	ug/L								--		**140000**	**140000**	**84000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**85**	**85**	**15**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**59**	**57**	**15**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**160**	**150**	**41**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**150000**	**150000**	**41000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**110**	**110**	**40**
Magnesium, Total	7439-95-4	ug/L								--	**43000**	**42000**	**18000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**2400**	**2300**	**710**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	**0.15 J**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**3.3**	**3.6**	**0.97 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**80**	**77**	**18**
Potassium, Total	7440-09-7	ug/L								--	**27000**	**27000**	**9500 J+**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**7.5 J+**	**6.9 J+**	**1.6 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.53 J**	**0.5 J**	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	**63000**	**63000**	**38000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**1.9**	**1.9**	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**230**	**230**	**48**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**410**	**390**	**130**
General													
Alkalinity	STL00171	mg/L								--	**97**	**100**	**110**
pH	STL00204	SU								--	**8.17 J**	**8.17 J**	**8.23 J**
Total Dissolved Solids	STL00242	mg/L								--	**330**	**350**	**360**
Total Hardness	STL00009	mg/L								--	**540**	**530**	**280**
Total Suspended Solids	STL00161	mg/L								--	**6500**	**6900**	**1900**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Aquatic Chronic	Location	SJDS	SJFP	SJFP
											Sample ID	SJDS-081515-11	SJFP-080815-11	SJFP-080915-11
											Date	8/15/2015	8/8/2015	8/9/2015
											Sample Time	10:20	18:40	10:15
											Latitude	36.89331	36.74816	36.74816
											Longitude	-108.87864	-108.41202	-108.41202
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**570**	< 200 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.5 U	< 1 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1.1**	< 1 U	**0.41 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**78**	**66**	**68**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.25 U	< 0.4 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.25 U	< 0.1 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**52000**	**50000**	**50000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 0.5 U	< 2 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		< 0.5 U	**0.13 J**	**0.12 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**3.4**	**1.5**	**1.5**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**260**	< 50 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 0.5 U	< 0.3 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**7100 J-**	**6400**	**6500**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**8.4**	**4.6**	**4.1**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.1 U	< 0.2 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.7 J**	**1.7**	**1.5**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1 J**	**1.2**	**1.2**
Potassium, Dissolved	7440-09-7	ug/L								--		**2500**		**2300**
Potassium, Dissolved	9/7/7440	ug/L								--			**2400**	
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**0.51 J**	< 2 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.5 U	< 1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**30000 J-**	**20000**	**20000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.5 U	< 0.2 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**2.4**	< 1 U	**0.81 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**3.4 J**	< 20 UJ	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**38000**	**22000**	**25000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.5 U	**0.59 J-**	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**9.1**	**11**	**5.1**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**480**	**260**	**340**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**1.9**	**0.97**	**1.4**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.38 J**	**0.39**	< 0.086 U
Calcium, Total	7440-70-2	ug/L								--		**84000**	**60000**	**64000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**15**	**9.9**	**17**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**13**	**6.1**	**10**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**34**	**46**	**32**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**36000**	**25000**	**22000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**36**	**200**	**47**
Magnesium, Total	7439-95-4	ug/L								--	**18000**	**10000**	**13000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**600**	**380**	**500**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.11 J**	< 0.2 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.2 J**	**3.2**	**1.4 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**18**	**8.9**	**15**
Potassium, Total	7440-09-7	ug/L								--	**8600**		**7300**
Potassium, Total	9/7/7440	ug/L								--		**7000**	
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.5 J**	**0.98 J**	**0.92 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	**1.4**	**0.31 J**
Sodium, Total	7440-23-5	ug/L								--	**36000**	**22000**	**22000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	**0.23**	**0.26**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**44**	**27**	**31**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**160**	**130 J-**	**94 J-**
General													
Alkalinity	STL00171	mg/L								--	**110**	**84**	**93**
pH	STL00204	SU								--	**8.24 J**	**8.06 HF**	**8.03 J**
Total Dissolved Solids	STL00242	mg/L								--	**340**	**290**	**240**
Total Hardness	STL00009	mg/L								--	**280**	**190**	**210**
Total Suspended Solids	STL00161	mg/L								--	**1900**	**680**	**1100**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Aquatic Chronic	Location	SJFP	SJFP	SJFP
											Sample ID	SJFP-081015-11	SJFP-081115-11	SJFP-081215-11
											Date	8/10/2015	8/11/2015	8/12/2015
											Sample Time	10:35	13:45	9:45
											Latitude	36.74816	36.74816	36.74816
											Longitude	-108.41202	-108.41202	-108.41202
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		< 24 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		**1.3 J-**	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.7 J**	**0.56 J**	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**68**	**74**	**73**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**50000**	**56000**	**58000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.24 J**	**1.4**	**1.7**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**1.5 J+**	**1.8**	**1.5**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 0.06 U	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**6700**	**7400**	**8300**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**7.3**	**18**	**5.3**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.3 J-**	**1.3**	**1.3**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1**	**1.1**	**1.4**
Potassium, Dissolved	7440-09-7	ug/L								--		**2300**	**2400**	**2300**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**19000**	**20000**	**22000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**0.99 J**	**1**	**0.97 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**10000**	**9200**	**5400 J**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**4.3**	**3**	**1.7**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**170**	**270**	**120**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**0.6**	**0.57**	**0.29 J**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--		**56000**	**61000**	**60000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**8**	**5.6**	**3.8**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**3.9**	**4.4**	**2 J**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**13 B**	**12**	**6.5 J**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**8700**	**8300**	**4400**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**18**	**16**	**7.5**
Magnesium, Total	7439-95-4	ug/L								--	**9000**	**9400**	**9300**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**210**	**270**	**120**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.5 J-**	**1.4**	**1.4**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**6.2**	**6.2**	**3**
Potassium, Total	7440-09-7	ug/L								--	**4400**	**4500**	**3400**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**2.3 J+**	**1 J**	**1.2 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.13 J**	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	**19000**	**20000**	**22000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.12 J**	**0.11 J**	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**16**	**15**	**10 J**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**38**	**42**	**20**
General													
Alkalinity	STL00171	mg/L								--	**98**	**92**	**99**
pH	STL00204	SU								--	**8.19 J**	**8.27 J**	**8.18 J**
Total Dissolved Solids	STL00242	mg/L								--	**270**	**300**	**270**
Total Hardness	STL00009	mg/L								--	**180**	**190**	**190**
Total Suspended Solids	STL00161	mg/L								--	**840**	**640**	**160**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL			RCB		Aquatic Acute	Location	SJFP	SJFP	SJFP
											Sample ID	SJFP-081215-12	SJFP-081315-11	SJFP-081415-11
											Date	8/12/2015	8/13/2015	8/14/2015
											Sample Time	9:45	9:46	15:43
											Latitude	36.74816	36.74816	36.74816
											Longitude	-108.41202	-108.41202	-108.41202
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		< 24 U	**310**	< 25 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.61 J**	**0.6 J**	**0.93 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**74**	**81**	**72**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.25 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.25 U
Calcium, Dissolved	7440-70-2	ug/L								--		**59000**	**55000**	**45000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	< 0.5 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**1.8 J**	**0.27 J**	< 0.5 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**1.6**	**2.4**	**2.1**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 17 U	**210**	< 10 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 0.06 U	**0.6**	< 0.5 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**8400**	**8000**	**7400 J-**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**5.2**	**21**	**16**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.4 J**	**1.3**	**1.3 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.2**	**1.6**	**0.73 J**
Potassium, Dissolved	7440-09-7	ug/L								--		**2400**	**2500**	**1900**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**0.65 J**	**1.1 J**	**0.54 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.5 U
Sodium, Dissolved	7440-23-5	ug/L								--		**22000**	**23000**	**20000 J-**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.5 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**1**	**1.2**	**1 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	**5 J**	< 2.5 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**1500 J**	**3300**	**3300**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.5 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		< 0.37 U	**1.5**	**1.6**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**110**	**110**	**100**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**0.21 J**	**0.17 J**	< 0.25 U
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U L	< 0.043 U	< 0.25 U
Calcium, Total	7440-70-2	ug/L								--		**61000**	**59000**	**60000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**1.3 J**	**2.1**	**1.5 J**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**1.1 J**	**1.1**	**0.89 J**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**4.5 J**	**4.5**	**4.4**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**1000**	**2600**	**2200**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**3.5**	**4.7**	**4.6**
Magnesium, Total	7439-95-4	ug/L								--	**8800**	**8800**	**9100**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**110**	**79**	**79**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1 J**	**1.4**	**1.4 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**2**	**2.4**	**1.4 J**
Potassium, Total	7440-09-7	ug/L								--	**2600**	**3200**	**2900**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**2.6**	**2.2 J+**	**0.51 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	**23000**	**25000**	**24000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**3.4 J**	**5.3**	**4.8**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**12 J**	**13 J**	**15 J**
General													
Alkalinity	STL00171	mg/L								--	**98**	**98**	**100**
pH	STL00204	SU								--	**8.19 J**	**8.17 J**	**8.29 J**
Total Dissolved Solids	STL00242	mg/L								--	**280**	**210**	**270**
Total Hardness	STL00009	mg/L								--	**190**	**180**	**190**
Total Suspended Solids	STL00161	mg/L								--	**160**	**150**	**86**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJFP	SJHB	SJHB
										Sample ID	SJFP-081515-11	10-25.20150807.RS	SJHB-080815-11
										Date	8/15/2015	8/7/2015	8/8/2015
										Sample Time	10:30	11:30	19:10
										Latitude	36.74816	36.74519	36.74519
										Longitude	-108.41202	-108.53776	-108.53776
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	< 200 U	< 200 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 1 UJ	< 1 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**0.82 J**	**0.56 J**	< 1 U
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**75**	**68**	**67**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	< 0.4 U	< 0.4 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.1 U	< 0.1 U
Calcium, Dissolved	7440-70-2	ug/L								--	**51000**	**56000**	**54000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 0.5 U	< 2 U	< 2 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 0.5 U	**0.96**	< 0.4 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**1.9 J**	**1.2**	**1.7**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	< 50 U	< 50 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.5 U	**0.093 J**	< 0.3 U
Magnesium, Dissolved	7439-95-4	ug/L								--	**7300 J-**	**7300**	**6900**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**4**	**3.3**	**1.2 J**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.2 U	< 0.2 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**1.4 J**	**1.5**	**1.8**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 0.5 U	**1**	**1.1**
Potassium, Dissolved	7440-09-7	ug/L								--	**2000**		
Potassium, Dissolved	9/7/7440	ug/L								--		**2500**	**2500**
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.5 U	< 2 U	< 2 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--	**20000 J-**	**23000**	**22000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.2 U	< 0.2 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	**1 J**	**1.3**	**0.34 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.5 U	< 20 UJ	< 20 UJ
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**3300**	**21000**	**30000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 1 UJ	**0.51 J-**
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**1.3**	**3.7**	**14**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**97**	**330**	**570**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	**0.93**	**1.8**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	**0.2**	**0.51**
Calcium, Total	7440-70-2	ug/L								--	**59000**	**68000**	**77000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**1.4 J**	**11**	**16**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**0.76 J**	**7.4**	**13**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**3.6**	**17**	**61**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**2000**	**16000**	**36000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**3.1**	**15**	**250**
Magnesium, Total	7439-95-4	ug/L								--	**9100**	**12000**	**13000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**59**	**390**	**940**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.2 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.5 J**	**1.5**	**3**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**1.3 J**	**10**	**16**
Potassium, Total	7440-09-7	ug/L								--	**3100**		
Potassium, Total	9/7/7440	ug/L								--		**6600**	**8700**
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**0.52 J**	**0.74 J**	**1.5 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 1 U	**1.6**
Sodium, Total	7440-23-5	ug/L								--	**24000**	**25000**	**23000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	**0.18 J**	**0.35**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**4.7**	**25**	**41**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**13 J**	**57 J-**	**170 J-**
General													
Alkalinity	STL00171	mg/L								--	**100**	**110**	**82**
pH	STL00204	SU								--	**8.29 J**	**8.18 HF**	**7.99 HF**
Total Dissolved Solids	STL00242	mg/L								--	**270**	**290**	**290**
Total Hardness	STL00009	mg/L								--	**180**	**220**	**250**
Total Suspended Solids	STL00161	mg/L								--	**70**	**1700**	**2900**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJHB	SJHB	SJHB
											Sample ID	SJHB-080915-11	SJHB-081015-11	SJHB-081015-12
											Date	8/9/2015	8/10/2015	8/10/2015
											Sample Time	11:31	11:25	11:25
											Latitude	36.74519	36.74519	36.74519
											Longitude	-108.53776	-108.53776	-108.53776
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**330**	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 UJ	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.39 J**	**0.67 J**	**0.99 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**70**	**69**	**67**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**52000**	**51000**	**50000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.2 J**	**0.35 J**	**0.16 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**1.8**	**2.1 J+**	**1.4 J+**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**220**	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.36**	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**6800**	**6800**	**6700**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**6.1**	**2.7**	**2.1 J**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.5 J**	**1.3 J-**	**1.3 J-**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.1**	**0.98 J**	**1.2**
Potassium, Dissolved	7440-09-7	ug/L								--		**2500**	**2300**	**2300**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**0.7 J**	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**22000**	**19000**	**18000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**1.3**	**0.96 J**	**0.89 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**35000**	**13000**	**13000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**6.2**	**3.8**	**3.7**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**520**	**260**	**240**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**2.4**	**0.89**	**0.78**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.086 U	**0.056 J**	**0.054 J**
Calcium, Total	7440-70-2	ug/L								--		**81000**	**60000**	**57000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**22**	**9.7**	**10**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**17**	**6.2**	**5.4**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**42**	**16 B**	**16 B**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**31000**	**11000**	**11000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**57**	**22**	**22**
Magnesium, Total	7439-95-4	ug/L								--	**16000**	**9600**	**9500**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**990**	**400 J**	**290 J**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.1 J-**	**1.5 J-**	**1.5 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**22**	**8.5**	**8.1**
Potassium, Total	7440-09-7	ug/L								--	**9200**	**5000**	**5100**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	**2.3 J+**	**2 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.38 J**	**0.14 J**	**0.15 J**
Sodium, Total	7440-23-5	ug/L								--	**24000**	**19000**	**19000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.38**	**0.15 J**	**0.15 J**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**42**	**21**	**20**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**130 J-**	**55**	**51**
General													
Alkalinity	STL00171	mg/L								--	**94**	**90**	**90**
pH	STL00204	SU								--	**8.12 J**	**8.15 J**	**8.16 J**
Total Dissolved Solids	STL00242	mg/L								--	**310**	**260**	**260**
Total Hardness	STL00009	mg/L								--	**270**	**190**	**180**
Total Suspended Solids	STL00161	mg/L								--	**2200**	**880**	**1000**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJHB	SJHB	SJHB
											Sample ID	SJHB-081115-11	SJHB-081215-11	SJHB-081315-11
											Date	8/11/2015	8/12/2015	8/13/2015
											Sample Time	13:05	15:30	10:37
											Latitude	36.74519	36.74519	36.74519
											Longitude	-108.53776	-108.53776	-108.53776
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**1800**	**1100**	**160 J**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		**0.4 J**	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1.9**	**0.63 J**	**0.58 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**160**	**86**	**78**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**40000**	**61000**	**56000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**1.2 J**	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**1.4**	**0.55**	**0.28 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**3.4**	**5.7**	**2.4**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**840**	**710**	**120**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.56**	**1.1**	**0.25 J**
Magnesium, Dissolved	7439-95-4	ug/L								--		**6800**	**8700**	**8100**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**16**	**27**	**6.8**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**2.6 J**	**1.4**	**1.4**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.8**	**2.2**	**1.6**
Potassium, Dissolved	7440-09-7	ug/L								--		**4200**	**2700**	**2600**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	< 0.58 U	**1.3 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**52000**	**27000**	**24000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**11**	**2.9**	**1**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	**6.9 J**	**5.2 J**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**270000**	**27000**	**5200**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**26**	**4.6**	**1.5**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**2600 J**	**330**	**140**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**12**	**1.4**	**0.34 J**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.45**	**0.056 J**	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--		**280000**	**71000**	**61000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**150**	**16**	**3.6**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**73**	**9.4**	**2.4**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**110**	**24**	**7.2**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**140000**	**22000**	**4200**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**130**	**22**	**10**
Magnesium, Total	7439-95-4	ug/L								--	**94000**	**14000**	**9300**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**3400**	**440**	**220**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.2**	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**2 J**	**1.7**	**1.4**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**140**	**12**	**3.5**
Potassium, Total	7440-09-7	ug/L								--	**73000**	**6500**	**3600**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**6**	**2.3**	**2.6 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.63 J**	**0.15 J**	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	**65000**	**27000**	**24000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**1.8**	**0.24**	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**230**	**38**	**10**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**340**	**67**	**27**
General													
Alkalinity	STL00171	mg/L								--	**110**	**100**	**110**
pH	STL00204	SU								--	**8.3 J**	**8.19 J**	**8.15 J**
Total Dissolved Solids	STL00242	mg/L								--	**350**	**280**	**200**
Total Hardness	STL00009	mg/L								--	**1100**	**240**	**190**
Total Suspended Solids	STL00161	mg/L								--	**6300**	**960**	**420**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Aquatic Chronic	Location	SJHB	SJHB	SJLP
											Sample ID	SJHB-081415-11	SJHB-081515-11	SJLP-080815-11
											Date	8/14/2015	8/15/2015	8/8/2015
											Sample Time	16:49	11:55	15:32
											Latitude	36.74519	36.74519	36.73589
											Longitude	-108.53776	-108.53776	-108.25399
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		< 25 U	< 25 U	< 200 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.5 U	< 0.5 U	< 1 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.82 J**	**0.96 J**	< 1 U
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**75**	**78**	**61**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.25 U	< 0.25 U	< 0.4 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.25 U	< 0.25 U	< 0.1 U
Calcium, Dissolved	7440-70-2	ug/L								--		**46000**	**52000**	**47000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 0.5 U	< 0.5 U	< 2 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		< 0.5 U	< 0.5 U	**0.12 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**1.7 J**	**2.3**	**1.5**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 10 U	**15 J**	**18 J**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 0.5 U	< 0.5 U	**0.094 J**
Magnesium, Dissolved	7439-95-4	ug/L								--		**7500 J-**	**7400 J-**	**6100**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**3.6**	**4.8**	**5.8**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.1 U	< 0.1 U	< 0.2 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.3 J**	**1.5 J**	**1.6**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		< 0.5 U	**0.71 J**	**1.1**
Potassium, Dissolved	7440-09-7	ug/L								--		**2000**	**2000**	
Potassium, Dissolved	9/7/7440	ug/L								--				**2400**
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**0.55 J**	< 0.5 U	< 2 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.5 U	< 0.5 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**20000 J-**	**20000 J-**	**19000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.5 U	< 0.5 U	< 0.2 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**1 J**	**1.1 J**	**0.35 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.5 U	< 2.5 U	< 20 UJ
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**5400**	**5800**	**28000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.5 U	< 0.5 U	< 1 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**1.9**	**2.1**	**11**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**140**	**150**	**490**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**0.27 J**	**0.28 J**	**1.4**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.25 U	< 0.25 U	**0.35**
Calcium, Total	7440-70-2	ug/L								--		**67000**	**68000**	**64000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**2.4**	**2.8**	**14**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**2.1**	**2**	**9.9**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**7.1**	**6.8**	**42**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**4400**	**4400**	**29000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**8.8**	**8.1**	**150**
Magnesium, Total	7439-95-4	ug/L								--	**10000**	**11000**	**12000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**200**	**180**	**570**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.1 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.3 J**	**2.1**	**2.4**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**2.6**	**2.7**	**13**
Potassium, Total	7440-09-7	ug/L								--	**3600**	**3900**	
Potassium, Total	9/7/7440	ug/L								--			**8100**
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**0.62 J**	**0.68 J**	**0.74 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 0.5 U	**0.96 J**
Sodium, Total	7440-23-5	ug/L								--	**25000**	**27000**	**21000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.5 U	**0.3**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**7.7**	**8.1**	**34**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**28**	**27**	**130 J-**
General													
Alkalinity	STL00171	mg/L								--	**110**	**100**	**86**
pH	STL00204	SU								--	**8.25 J**	**8.25 J**	**8.05 HF**
Total Dissolved Solids	STL00242	mg/L								--	**290**	**290**	**250**
Total Hardness	STL00009	mg/L								--	**210**	**220**	**210**
Total Suspended Solids	STL00161	mg/L								--	**450**	**370**	**1300**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Aquatic Chronic	Location	SJLP	SJLP	SJLP
											Sample ID	SJLP-080915-11	SJLP-081015-11	SJLP-081115-11
											Date	8/9/2015	8/10/2015	8/11/2015
											Sample Time	9:54	9:40	14:25
											Latitude	36.73589	36.73589	36.73589
											Longitude	-108.25399	-108.25399	-108.25399
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000			--	< 24 U	< 24 U	**32 J**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67						--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200		--	**0.42 J**	**0.56 J**	**0.96 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000						--	**72**	**70**	**67**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50		--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L									--	**51000**	**50000**	**50000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000		--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000		--	< 0.12 U	**0.52**	**2**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500		--	**1.7**	**1.3 J+**	**2.3**
Iron, Dissolved	7439-89-6	ug/L	120000		120000						--	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100		--	< 0.06 U	< 0.06 U	**0.064 J**
Magnesium, Dissolved	7439-95-4	ug/L									--	**6600**	**6500**	**6600**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200			--	**5.1**	**9.7**	**3.6**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830						--	**1.4**	**1.3 J-**	**2 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000		--	**1.2**	**1.1**	**1.4**
Potassium, Dissolved	7440-09-7	ug/L									--	**2400**	**2300**	**3100**
Potassium, Dissolved	9/7/7440	ug/L									--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250		--	**0.87 J**	< 0.58 U	**0.85 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9					--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L									--	**19000**	**17000**	**35000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7						--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100		--	**0.84 J**	**0.92 J**	**1.9**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000		--	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000			--	**25000**	**12000**	**97000**
Antimony, Total	7440-36-0	ug/L	6	6	67						--	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200		--	**6.3**	**3.6**	**19**
Barium, Total	7440-39-3	ug/L	2000	2000	33000						--	**520**	**260**	**890**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100		--	**1.8**	**0.7**	**5.5**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50		--	**0.19**	**0.14**	**0.23**
Calcium, Total	7440-70-2	ug/L									--	**72000**	**56000**	**98000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000		--	**16**	**8.3**	**47**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000		--	**13**	**5.2**	**36**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**33**	**15 B**	**85**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**24000**	**11000**	**75000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**48**	**21**	**76**
Magnesium, Total	7439-95-4	ug/L								--	**13000**	**9300**	**28000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**830**	**270**	**1600**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.3 J-**	**1.4 J-**	**1.4 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**17**	**7.7**	**43**
Potassium, Total	7440-09-7	ug/L								--	**7600**	**4900**	**18000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	< 0.58 U	**3.9**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.3 J**	**0.13 J**	**0.44 J**
Sodium, Total	7440-23-5	ug/L								--	**20000**	**18000**	**39000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.28**	**0.14 J**	**0.95**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**34**	**19**	**120**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**110 J-**	**50**	**230**
General													
Alkalinity	STL00171	mg/L								--	**92**	**88**	**110**
pH	STL00204	SU								--	**8.1 J**	**8.18 J**	**8.28 J**
Total Dissolved Solids	STL00242	mg/L								--	**280**	**260**	**330**
Total Hardness	STL00009	mg/L								--	**230**	**180**	**360**
Total Suspended Solids	STL00161	mg/L								--	**1600**	**1400**	**3700**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJLP	SJLP	SJLP
											Sample ID	SJLP-081215-11	SJLP-081315-11	SJLP-081415-11
											Date	8/12/2015	8/13/2015	8/14/2015
											Sample Time	9:03	9:20	14:45
											Latitude	36.73589	36.73589	36.73589
											Longitude	-108.25399	-108.25399	-108.25399
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		< 24 U	**45 J**	< 25 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.51 J**	**0.53 J**	**0.86 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**74**	**77**	**70**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.25 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.25 U
Calcium, Dissolved	7440-70-2	ug/L								--		**56000**	**54000**	**47000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	< 0.5 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**2**	**0.17 J**	< 0.5 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**1.6**	**2.9**	**1.9 J**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 17 U	**30 J**	< 10 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 0.06 U	**0.098 J**	< 0.5 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**7400**	**7600**	**7500 J-**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**6.2**	**7.2**	**4.2**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.4**	**1.3**	**1.3 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.1**	**1.8**	**0.57 J**
Potassium, Dissolved	7440-09-7	ug/L								--		**2400**	**2400**	**2000**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	**1.3 J**	< 0.5 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.5 U
Sodium, Dissolved	7440-23-5	ug/L								--		**23000**	**22000**	**19000 J-**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.5 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**0.89 J**	**0.83 J**	< 1 U
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	**3.2 J**	< 2.5 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**27000**	**4300**	**5400**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.5 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**3.9**	**2**	**1.9**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**280**	**160**	**140**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**1.5**	**0.32 J**	< 0.25 U
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	**0.058 J**	< 0.25 U
Calcium, Total	7440-70-2	ug/L								--		**65000**	**61000**	**63000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**16**	**2.7**	**2.4**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**8.7**	**2.4**	**1.8**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**22**	**7.2**	**6.3**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**22000**	**3800**	**4400**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**20**	**10**	**7.9**
Magnesium, Total	7439-95-4	ug/L								--	**13000**	**8700**	**9500**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**360**	**240**	**160**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.6**	**1.2**	**1.6 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**11**	**3.4**	**2.5**
Potassium, Total	7440-09-7	ug/L								--	**6200**	**3400**	**3400**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.5 J**	**3 J+**	**0.51 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.11 J**	< 0.1 U	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	**24000**	**22000**	**23000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.22**	< 0.1 U	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**36**	**7.8**	**7.4**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**60**	**30**	**28**
General													
Alkalinity	STL00171	mg/L								--	**95**	**97**	**100**
pH	STL00204	SU								--	**8.22 J**	**8.2 J**	**8.29 J**
Total Dissolved Solids	STL00242	mg/L								--	**270**	**180**	**280**
Total Hardness	STL00009	mg/L								--	**220**	**190**	**200**
Total Suspended Solids	STL00161	mg/L								--	**840**	**290**	**410**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL			RCB		Aquatic Acute			
										Location	SJLP	SJMC	SJMC
										Sample ID	SJLP-081515-11	SJMC-080915-11	SJMC-081015-11
										Date	8/15/2015	8/9/2015	8/10/2015
										Sample Time	9:15	17:50	13:35
										Latitude	36.73589	37.25823	37.25823
										Longitude	-108.25399	-109.31060	-109.31060
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	**28 J**	< 24 UJ
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**0.9 J**	**0.86 J**	**0.88 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**74**	**77**	**73**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	**49000**	**57000**	**54000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 0.5 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 0.5 U	**0.13 J**	**0.12 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**1.5 J**	**2**	**2.5 J+**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	< 17 U	< 17 UJ
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.5 U	< 0.06 U	< 0.06 UJ
Magnesium, Dissolved	7439-95-4	ug/L								--	**6600 J-**	**8200**	**7400**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**2.4**	**1.2 J**	< 1.2 UJ
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**1.4 J**	**2.1**	**2 J-**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 0.5 U	**1.5**	**1.2**
Potassium, Dissolved	7440-09-7	ug/L								--	**1900**	**3000**	**2900**
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.5 U	**0.9 J**	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	**19000 J-**	**30000**	**30000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	< 1 U	**2.6**	**1.8 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.5 U	< 2.8 U	< 2.8 UJ
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**5600**	**46000**	**69000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**2**	**8.9**	**14**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**160**	**600**	**730**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**0.25 J**	**2.6**	**3.6**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.086 U	**0.26**
Calcium, Total	7440-70-2	ug/L								--	**59000**	**97000**	**97000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**2.7**	**25**	**37**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**1.9**	**19**	**25**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**6.4**	**44**	**64 B**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**4300**	**38000**	**58000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**7.5**	**33**	**76**
Magnesium, Total	7439-95-4	ug/L								--	**8900**	**21000**	**24000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**160**	**940**	**1200**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.2 J**	**1.5 J-**	**2.1 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**2.6**	**26**	**35**
Potassium, Total	7440-09-7	ug/L								--	**3200**	**11000**	**14000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.5 U	**0.84 J**	**4.5 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	**0.19 J**	**0.49 J**
Sodium, Total	7440-23-5	ug/L								--	**23000**	**32000**	**32000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	**0.49**	**0.68**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**7.7**	**60**	**92**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**24**	**130 J-**	**190**
General													
Alkalinity	STL00171	mg/L								--	**100**	**100**	**97**
pH	STL00204	SU								--	**8.24 J**	**8.14 J**	**8.22 J**
Total Dissolved Solids	STL00242	mg/L								--	**270**	**160**	**360**
Total Hardness	STL00009	mg/L								--	**180**	**330**	**340**
Total Suspended Solids	STL00161	mg/L								--	**260**	**3300**	**3200**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL			Drinking Water MCL		RCB		Aquatic Acute	Location	SJMC	SJMC	SJMC
											Sample ID	SJMC-081015-12	SJMC-081115-11	SJMC-081215-11
											Date	8/10/2015	8/11/2015	8/12/2015
											Sample Time	13:40	12:20	12:30
											Latitude	37.25823	37.25823	37.25823
											Longitude	-109.31060	-109.31060	-109.31060
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**2300 J**	< 24 U	< 24 UJ
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**1.2**	**1.3**	**0.49 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**94**	**86**	**70**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**58000**	**180000**	**55000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**2**	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.92**	**1.4**	**0.18 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**4.8 J+**	**2.5**	**3.2**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**1800 J**	< 17 U	< 17 UJ
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**2.8**	< 0.06 U	**0.064 J**
Magnesium, Dissolved	7439-95-4	ug/L								--		**8400**	**75000**	**7400**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**36**	**3.7**	< 1.2 UJ
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**2.2 J-**	**3.4**	**1.8**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**2.4**	**3.7**	**1.7**
Potassium, Dissolved	7440-09-7	ug/L								--		**3500**	**6000**	**3200**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	**2**	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**33000**	**75000**	**32000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**6**	**2.3**	**2**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**8.1 J**	< 2.8 U	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**59000**	**10000**	**80000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**13**	**4.9**	**15**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**700**	**180**	**650**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**3.6**	**0.59**	**4.4**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.34**	**0.22**	**0.5**
Calcium, Total	7440-70-2	ug/L								--		**100000**	**210000**	**130000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**33**	**8**	**37**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**24**	**3.9**	**26**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**64 B**	**11**	**62**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**51000**	**8400**	**60000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**77**	**7.6**	**59**
Magnesium, Total	7439-95-4	ug/L								--	**23000**	**79000**	**25000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1200**	**310**	**1100**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.6 J-**	**4.5**	**2.1**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**33**	**13**	**36**
Potassium, Total	7440-09-7	ug/L								--	**12000**	**9400**	**17000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**3.3 J+**	**3.3**	**4**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.52 J**	< 0.1 U	**0.3 J**
Sodium, Total	7440-23-5	ug/L								--	**34000**	**75000**	**35000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.64**	**0.26**	**0.87**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**80**	**24**	**99**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**180**	**36**	**180**
General													
Alkalinity	STL00171	mg/L								--	**98**	**210**	**95**
pH	STL00204	SU								--	**8.22 J**	**8.32 J**	**8.21 J**
Total Dissolved Solids	STL00242	mg/L								--	**350**	**1100**	**310**
Total Hardness	STL00009	mg/L								--	**340**	**840**	**420**
Total Suspended Solids	STL00161	mg/L								--	**2800**	**550**	**3300**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL			Drinking Water MCL		RCB		Aquatic Acute	Location	SJMC	SJMC	SJMC
											Sample ID	SJMC-081215-12	SJMC-081315-11	SJMC-081415-11
											Date	8/12/2015	8/13/2015	8/14/2015
											Sample Time	12:35	13:00	12:30
											Latitude	37.25823	37.25823	37.25823
											Longitude	-109.31060	-109.31060	-109.31060
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**560 J**	**990**	**10000**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.48 J**	**0.97 J**	**3.5**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**75**	**93**	**240**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	**0.98 J**
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.5 U
Calcium, Dissolved	7440-70-2	ug/L								--		**56000**	**60000**	**72000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	**5.6**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.32 J**	**0.41**	**5.6**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**3.9**	**4.3**	**16**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**310 J**	**580**	**4700**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.46 J**	**0.6**	**11**
Magnesium, Dissolved	7439-95-4	ug/L								--		**7600**	**9300**	**10000**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**9.2 J**	**14**	**300**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.7**	**2**	**1.3 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.7**	**2.1**	**6.8**
Potassium, Dissolved	7440-09-7	ug/L								--		**3300**	**3700**	**5400**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	**2 ^**	**1 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**32000**	**43000**	**54000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**2.9**	**3**	**21**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**3.8 J**	**4.1 J**	**41**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**77000**	**96000**	**95000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 1 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**15**	**17**	**20**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**650**	**830**	**1200**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**4.4**	**4.8**	**5**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.61**	**0.2**	**0.85 J**
Calcium, Total	7440-70-2	ug/L								--		**120000**	**120000**	**150000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**37**	**45**	**33**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**27**	**31**	**35**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**62**	**73**	**99**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**59000**	**74000**	**92000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**59**	**61**	**90**
Magnesium, Total	7439-95-4	ug/L								--	**25000**	**32000**	**36000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1100**	**1400**	**1600**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	**0.23**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.9**	**2**	**1.4 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**36**	**41**	**45**
Potassium, Total	7440-09-7	ug/L								--	**16000**	**17000**	**17000 J+**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**3.7**	**4.9 J+**	**3.3 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.29 J**	**0.31 J**	< 1 U
Sodium, Total	7440-23-5	ug/L								--	**34000**	**42000**	**62000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.86**	**0.82**	< 1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**96**	**120**	**94**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**180**	**200**	**300**
General													
Alkalinity	STL00171	mg/L								--	**100**	**100**	**110**
pH	STL00204	SU								--	**8.23 J**	**8.21 J**	**8.23 J**
Total Dissolved Solids	STL00242	mg/L								--	**320**	**280**	**410**
Total Hardness	STL00009	mg/L								--	**410**	**430**	**190**
Total Suspended Solids	STL00161	mg/L								--	**2800**	**3100**	**5900**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL			Drinking Water MCL		RCB		Aquatic Acute			
Location											SJMC	SJME	SJME
Sample ID											SJMC-081515-11	SJME-080915-11	SJME-080915-12
Date											8/15/2015	8/9/2015	8/9/2015
Sample Time											17:00	16:35	16:35
Latitude											37.25823	37.21681	37.21681
Longitude											-109.31060	-109.19615	-109.19615
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	**3200 J**	**5700 J**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 1 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**1 J**	**1.1**	**1**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**80**	**97**	**120**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.5 U	< 0.15 U	**0.26 J**
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	**55000**	**59000**	**61000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	**2.5**	**5**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 1 U	**0.87**	**1.6**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**2.2 J**	**3.9**	**5.1**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	**2000 J**	**3500 J**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 1 U	**1.5**	**2.9**
Magnesium, Dissolved	7439-95-4	ug/L								--	**8400**	**7800**	**8500**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1.5 J**	**34**	**67**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**1.8 J**	**2.1 J**	**2 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 1 U	**2.2**	**3.2**
Potassium, Dissolved	7440-09-7	ug/L								--	**2900**	**3900**	**4500**
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 1 U	**0.98 J**	**0.84 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	**32000**	**31000**	**31000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	< 2 U	**5.9**	**9.6**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 5 U	**7.1 J**	**12 J**
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**39000**	**59000**	**58000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**8.5**	**11**	**10**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**460**	**860**	**880**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**1.7**	**3.7**	**3.7**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	**0.34**	**0.33**
Calcium, Total	7440-70-2	ug/L								--	**89000**	**130000**	**130000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**14**	**28**	**28**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**12**	**23**	**24**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**35**	**54**	**55**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**31000**	**47000**	**46000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**31**	**46**	**46**
Magnesium, Total	7439-95-4	ug/L								--	**19000**	**27000**	**27000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**630**	**1200**	**1300**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.4 J**	**1.7 J-**	**1.4 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**18**	**36**	**37**
Potassium, Total	7440-09-7	ug/L								--	**9500**	**15000**	**15000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.6 J**	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 1 U	**0.26 J**	**0.27 J**
Sodium, Total	7440-23-5	ug/L								--	**37000**	**32000**	**33000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 1 UJ	**0.71**	**0.68**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**41**	**70**	**66**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**130**	**160 J-**	**160 J-**
General													
Alkalinity	STL00171	mg/L								--	**110**	**96**	**91**
pH	STL00204	SU								--	**8.27 J**	**8.01 J**	**8.08 J**
Total Dissolved Solids	STL00242	mg/L								--	**340**	**340**	**330**
Total Hardness	STL00009	mg/L								--	**300**	**430**	**440**
Total Suspended Solids	STL00161	mg/L								--	**1800**	**3000**	**2900**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJME	SJME	SJME
										Sample ID	SJME-081015-11	SJME-081115-11	SJME-081115-12
										Date	8/10/2015	8/11/2015	8/11/2015
										Sample Time	14:40	13:30	13:35
										Latitude	37.21681	37.21681	37.21681
										Longitude	-109.19615	-109.19615	-109.19615
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**2200**	< 24 UJ	**9300 J**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**1.3**	**0.72 J**	**3.1 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**92**	**80 J**	**270 J**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	**0.61 J**
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	**0.047 J**	**0.051 J**
Calcium, Dissolved	7440-70-2	ug/L								--	**53000**	**59000**	**65000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**1.9 J**	< 1 U	**6.1 J**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	**0.83**	**1.3 J**	**4.7 J**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**4.5 J+**	**1.5 J**	**12 J**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	**1600**	< 17 UJ	**8700 J**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**2.1**	< 0.06 UJ	**17 J**
Magnesium, Dissolved	7439-95-4	ug/L								--	**6700**	**7900**	**10000 J**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**31**	**10 J**	**320 J**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**2.1 J-**	**1.4**	**1.4**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**2.3**	**1.3 J**	**6.6 J**
Potassium, Dissolved	7440-09-7	ug/L								--	**3400**	**2400 J**	**4600 J**
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	**0.77 J**	**0.97 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	**32000**	**22000**	**21000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	**0.11 J**
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	**6.2**	**0.88 J**	**16 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**7.1 J**	< 2.8 UJ	**42 J**
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**78000**	**5600 J**	< 24 UJ
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**15**	**1.7**	**0.99 J**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**830**	**170 J**	**81 J**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**4.4**	**0.31 J**	< 0.15 UJ
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	**0.31**	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--	**96000**	**62000**	**60000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**41**	**4.1**	< 1 UJ
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**30**	**2.3**	**0.29 J**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**79 B**	**7.7 J**	**1.6 J**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**66000**	**4800 J**	< 17 UJ
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**78**	**10 J**	< 0.06 UJ
Magnesium, Total	7439-95-4	ug/L								--	**24000**	**9100**	**8200 J**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1400**	**130 J**	**3.4 J**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.096 J**	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.6 J-**	**1.4**	**1.4**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**41**	**3.9 J**	**1.1 J**
Potassium, Total	7440-09-7	ug/L								--	**15000**	**3600 J**	**2500 J**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**3.6 J+**	**2.6**	**0.94 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.54 J**	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	**35000**	**22000**	**21000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.78**	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**99**	**9.2**	**0.88 J**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**220**	**23 J**	< 2.8 UJ
General													
Alkalinity	STL00171	mg/L								--	**92**	**98**	**98**
pH	STL00204	SU								--	**8.2 J**	**8.27 J**	**8.25 J**
Total Dissolved Solids	STL00242	mg/L								--	**370**	**280**	**290**
Total Hardness	STL00009	mg/L								--	**340**	**190**	**180**
Total Suspended Solids	STL00161	mg/L								--	**3200**	**180 J**	**660 J**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJME	SJME	SJME
											Sample ID	SJME-081215-11	SJME-081315-11	SJME-081415-11
											Date	8/12/2015	8/13/2015	8/14/2015
											Sample Time	13:20	13:40	13:20
											Latitude	37.21681	37.21681	37.21681
											Longitude	-109.19615	-109.19615	-109.19615
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		< 24 U	**5500**	**12000**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.62 J**	**1.7**	**3.8**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**72**	**200**	**230**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	**0.94**	**0.95 J**
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.5 U
Calcium, Dissolved	7440-70-2	ug/L								--		**55000**	**69000**	**70000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	**2.3**	**6.7**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.17 J**	**4.1**	**5.3**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**5.1**	**12**	**16**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 17 U	**3200**	**5200**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.079 J**	**8.8**	**11**
Magnesium, Dissolved	7439-95-4	ug/L								--		**6300**	**9400**	**8900**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		< 1.2 U	**310**	**250**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	**0.11 J**
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.9**	**0.93 J**	**1.9 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.8**	**5.1**	**7.2**
Potassium, Dissolved	7440-09-7	ug/L								--		**3300**	**4400**	**5600**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 0.58 U	**2.3 ^**	**1.4 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**35000**	**40000**	**54000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**1.6**	**12**	**23**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**3.3 J**	**23**	**38 J**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**73000**	**88000**	**91000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 UJ	< 0.4 U	< 1 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**17**	**16**	**19**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**630**	**720**	**1300**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**4.2**	**4.3**	**5**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.67**	**0.17**	**0.9 J**
Calcium, Total	7440-70-2	ug/L								--		**140000**	**110000**	**150000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**39**	**43**	**34**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**28**	**28**	**35**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**60**	**66**	**94**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**60000**	**69000**	**89000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**58**	**56**	**92**
Magnesium, Total	7439-95-4	ug/L								--	**24000**	**27000**	**34000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1100**	**1200**	**1600**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	**0.22**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**2.8**	**2.3**	**1.3 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**42**	**37**	**46**
Potassium, Total	7440-09-7	ug/L								--	**16000**	**16000**	**17000 J+**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**3.4**	**4.4 J+**	**3.1 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.33 J**	**0.29 J**	< 1 U
Sodium, Total	7440-23-5	ug/L								--	**37000**	**42000**	**66000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.97**	**0.77**	< 1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**97**	**110**	**93**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**190**	**190**	**290**
General													
Alkalinity	STL00171	mg/L								--	**95**	**98**	**110**
pH	STL00204	SU								--	**8.18 J**	**8.18 J**	**8.19 J**
Total Dissolved Solids	STL00242	mg/L								--	**340**	**260**	**430**
Total Hardness	STL00009	mg/L								--	**440**	**380**	**180**
Total Suspended Solids	STL00161	mg/L								--	**3000**	**2800**	**5800**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL			RCB		Aquatic Acute			
										Location	SJME	SJMH	SJMH
										Sample ID	SJME-081515-11	SJMH-080915-11	SJMH-081015-11
										Date	8/15/2015	8/9/2015	8/10/2015
										Sample Time	16:55	19:05	11:35
										Latitude	37.21681	37.14999	37.14999
										Longitude	-109.19615	-109.86628	-109.86628
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	< 24 U	**31 J**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 1 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**1.1 J**	**2**	**1.6**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**76**	**130**	**150**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.5 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	**50000**	**56000**	**51000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 1 U	**0.31 J**	**1.7**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**1.9 J**	**2.8**	**2.6 J+**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 1 U	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	**6800**	**8500**	**8000**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1.3 J**	< 1.2 U	**3.1**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**1.8 J**	**2.4 J**	**2.5 J-**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 1 U	**1.4**	**1.5**
Potassium, Dissolved	7440-09-7	ug/L								--	**2700**	**4400**	**3900**
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 1 U	**0.92 J**	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	**28000**	**44000**	**43000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	< 2 U	**7.9**	**7.3**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 5 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**37000**	**180000**	**210000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**6.6**	**21**	**22**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**360**	**2300**	**2200 J**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**1.4**	**8.1**	**10**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.22 U	**0.62**
Calcium, Total	7440-70-2	ug/L								--	**79000**	**480000**	**360000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**11**	**70**	**110**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**9.3**	**55**	**59**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**27**	**87**	**94 B**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**27000**	**85000**	**110000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**25**	**85**	**90**
Magnesium, Total	7439-95-4	ug/L								--	**16000**	**95000**	**83000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**500**	**3400**	**3500**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	**0.12 J**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**2 J**	**1.7 J-**	**2.4 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**14**	**110**	**120**
Potassium, Total	7440-09-7	ug/L								--	**9400**	**46000**	**58000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.5 J**	**5.2 J**	**4.9 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 1 U	**0.39 J**	**0.46 J**
Sodium, Total	7440-23-5	ug/L								--	**33000**	**58000**	**51000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 1 UJ	**1.4**	**1.6**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**32**	**160**	**190**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**87**	**290 J-**	**290**
General													
Alkalinity	STL00171	mg/L								--	**100**	**110**	**110**
pH	STL00204	SU								--	**8.24 J**	**8.12 J**	**8.17 J**
Total Dissolved Solids	STL00242	mg/L								--	**350**	**260**	**370**
Total Hardness	STL00009	mg/L								--	**260**	**1600**	**1200**
Total Suspended Solids	STL00161	mg/L								--	**1500**	**8200**	**7400**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL			Drinking Water MCL		RCB		Aquatic Agite	Location	SJMH	SJMH	SJMH
											Sample ID	SJMH-081115-11	SJMH-081215-11	SJMH-081315-11
											Date	8/11/2015	8/12/2015	8/13/2015
											Sample Time	10:35	10:35	12:00
											Latitude	37.14999	37.14999	37.14999
											Longitude	-109.86628	-109.86628	-109.86628
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**24 J**	< 24 U	**95000**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	**0.68 J**	**0.5 J**
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.88 J**	**0.92 J**	**11**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**65**	**93**	**680**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	**3.7**
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	**0.22 J+**
Calcium, Dissolved	7440-70-2	ug/L								--		**46000**	**63000**	**110000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	**54**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**2.6**	**0.63**	**22**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**2.4**	**4.3**	**44**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 17 U	< 17 U	**56000**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.084 J**	**0.083 J**	**39**
Magnesium, Dissolved	7439-95-4	ug/L								--		**5300**	**7400**	**40000**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**4.7**	**1.7 J**	**910**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**2**	**2.1 J**	**3.6 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.3**	**1.8**	**42**
Potassium, Dissolved	7440-09-7	ug/L								--		**3100**	**3300**	**26000**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**1.6 J**	**0.84 J**	**4.1 ^**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	**0.18 J**
Sodium, Dissolved	7440-23-5	ug/L								--		**37000**	**37000**	**54000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	**0.77**
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**1.8**	**3.2**	**110**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	**3 J**	**140**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**110000**	**140000**	**180000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**22**	**25**	**24**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**1000**	**1200**	**1600**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**6.4**	**7.7**	**8.6**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.29**	**0.9**	**0.5**
Calcium, Total	7440-70-2	ug/L								--		**99000**	**190000**	**240000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**51**	**74**	**96**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**42**	**49**	**51**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**100**	**100**	**95**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**86000**	**100000**	**100000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**82**	**94**	**89**
Magnesium, Total	7439-95-4	ug/L								--	**28000**	**49000**	**82000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1800**	**2300**	**2300**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.11 J**	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1**	**1.9 J**	**3 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**50**	**69**	**99**
Potassium, Total	7440-09-7	ug/L								--	**18000**	**28000**	**45000 J**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**4.5**	**4.6**	**8.5 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.5 J**	**0.48 J**	**0.41 J**
Sodium, Total	7440-23-5	ug/L								--	**41000**	**45000**	**58000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**1**	**1.3**	**1.6**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**130**	**170**	**190**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**250**	**270**	**310**
General													
Alkalinity	STL00171	mg/L								--	**97**	**99**	**99**
pH	STL00204	SU								--	**8.24 J**	**8.12 J**	**8.12 J**
Total Dissolved Solids	STL00242	mg/L								--	**350**	**390**	**360**
Total Hardness	STL00009	mg/L								--	**360**	**680**	**940**
Total Suspended Solids	STL00161	mg/L								--	**4600**	**5700**	**6000**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJMH	SJMH	SJMH
										Sample ID	SJMH-081415-11	SJMH-081515-11	SJMH-081515-12
										Date	8/14/2015	8/15/2015	8/15/2015
										Sample Time	10:15	10:45	10:45
										Latitude	37.14999	37.14999	37.14999
										Longitude	-109.86628	-109.86628	-109.86628
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**10000**	**56**	< 25 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 2.5 U	< 1 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**7.8**	**1.5 J**	**1.4 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**560**	**130**	**130**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**2.6**	< 0.5 U	< 0.5 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 1.3 U	< 0.5 U	< 0.5 U
Calcium, Dissolved	7440-70-2	ug/L								--	**160000**	**55000**	**54000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**5.3 J**	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	**9.7**	< 1 U	< 1 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**39**	**2.7 J**	**2.6 J**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	**3700**	**14 J**	< 10 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**12**	< 1 U	< 1 U
Magnesium, Dissolved	7439-95-4	ug/L								--	**20000 J-**	**8200**	**8300**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**1200**	**1.4 J**	< 1 U
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.19 J**	< 0.1 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**5 J**	**3.3 J**	**2.8 J**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**13**	**1.2 J**	< 1 U
Potassium, Dissolved	7440-09-7	ug/L								--	**7100**	**3600**	**3600**
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**2.9 J**	**1.4 J**	**1.4 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 2.5 U	< 1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--	**60000 J-**	**56000**	**56000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 2.5 U	< 1 U	< 1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	**33**	**3.7 J**	**3.5 J**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**42 J**	< 5 U	< 5 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**170000**	**130000**	**120000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 2.5 U	< 1 UJ	< 1 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**34**	**23**	**23**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**4000**	**1800**	**2000**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**11**	**6.3**	**6.5**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	**1.8 J**	**1 J**	**1 J**
Calcium, Total	7440-70-2	ug/L								--	**730000**	**230000**	**220000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**80**	**41**	**42**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**70**	**41**	**41**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**120**	**100**	**100**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**97000**	**100000**	**90000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**170**	**110**	**110**
Magnesium, Total	7439-95-4	ug/L								--	**110000**	**53000**	**48000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**4600**	**2100**	**2200**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	**0.37**	**0.21**	**0.26**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	< 2.5 U	**1.5 J**	**1.7 J**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**140**	**59**	**60**
Potassium, Total	7440-09-7	ug/L								--	**43000**	**23000**	**22000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**6.3 J**	**3.8 J**	**3.8 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 2.5 U	< 1 U	< 1 U
Sodium, Total	7440-23-5	ug/L								--	**80000**	**68000**	**64000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 2.5 U	< 1 UJ	< 1 UJ
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**140**	**110**	**110**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**430**	**330**	**360**
General													
Alkalinity	STL00171	mg/L								--	**130**	**110**	**110**
pH	STL00204	SU								--	**8.18 J**	**8.22 J**	**8.23 J**
Total Dissolved Solids	STL00242	mg/L								--	**430**	**440**	**450**
Total Hardness	STL00009	mg/L								--	**230**	**280**	**250**
Total Suspended Solids	STL00161	mg/L								--	**19000**	**8300**	**8200**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Aquatic Chronic	Location	SJSR	SJSR	SJSR
											Sample ID	SJSR-080815-11	SJSR-080915-11	SJSR-081015-11
											Date	8/8/2015	8/9/2015	8/10/2015
											Sample Time	19:34	12:35	12:10
											Latitude	36.78162	36.78162	36.78162
											Longitude	-108.69278	-108.69278	-108.69278
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**610**	**1800**	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 1 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.84 J**	**0.8 J**	**0.86 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**68**	**81**	**66**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**50000**	**51000**	**48000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 2 U	**1.2 J**	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**0.29 J**	**0.67**	**1.5**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**2.1**	**4**	**2 J+**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		**360**	**1300**	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		**0.51**	**2.7**	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--		**6400**	**6500**	**5600**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**13**	**32**	**2.9**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.6 J**	**1.5 J**	**1.7 J-**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.4**	**1.8**	**1.2**
Potassium, Dissolved	7440-09-7	ug/L								--			**2900**	**2900**
Potassium, Dissolved	9/7/7440	ug/L								--		**2600**		
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		< 2 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**25000**	**26000**	**30000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.2 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**2**	**3.4**	**1.5**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		**5.1 J-**	**6.7 J**	< 2.8 U
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**42000**	**43000**	**81000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**7.2**	**9.9**	**15**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**640**	**630**	**830**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**2.3**	**2.5**	**4.4**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.19**	< 0.086 U	**0.22**
Calcium, Total	7440-70-2	ug/L								--		**74000**	**74000**	**84000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**22**	**22**	**40**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**17**	**18**	**30**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**36**	**50**	**70 B**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**36000**	**40000**	**65000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**32**	**70**	**62**
Magnesium, Total	7439-95-4	ug/L								--	**16000**	**16000**	**21000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**810**	**860**	**1300**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.2 U	< 0.08 U	**0.1 J**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.2 J**	**1.3 J-**	**1.4 J-**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**22**	**22**	**36**
Potassium, Total	7440-09-7	ug/L								--		**9700**	**14000**
Potassium, Total	9/7/7440	ug/L								--	**9500**		
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.3 J**	**0.6 J**	**3.5 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	**0.12 J**	**0.44 J**	**0.36 J**
Sodium, Total	7440-23-5	ug/L								--	**28000**	**29000**	**33000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	**0.43**	**0.46**	**0.74**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**50**	**57**	**100**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**100 J-**	**150 J-**	**180**
General													
Alkalinity	STL00171	mg/L								--	**94**	**95**	**95**
pH	STL00204	SU								--	**8.1 HF**	**8.11 J**	**8.19 J**
Total Dissolved Solids	STL00242	mg/L								--	**290**	**320**	**330**
Total Hardness	STL00009	mg/L								--	**250**	**250**	**300**
Total Suspended Solids	STL00161	mg/L								--	**2600**	**1600**	**3300**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Aquatic Chronic	Location	SJSR	SJSR	SJSR
											Sample ID	SJSR-081115-11	SJSR-081215-11	SJSR-081315-11
											Date	8/11/2015	8/12/2015	8/13/2015
											Sample Time	12:35	10:35	11:20
											Latitude	36.78162	36.78162	36.78162
											Longitude	-108.69278	-108.69278	-108.69278
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		< 24 U	< 24 U	**1300**
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--		**0.94 J**	**0.6 J**	**0.99 J**
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--		**73**	**72**	**79**
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--		< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--		**52000**	**60000**	**59000**
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		< 1 U	< 1 U	**1.1 J**
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--		**1.9**	**2.5**	**0.48**
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--		**1.7**	**2**	**4**
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--		< 17 U	< 17 U	**850**
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--		< 0.06 U	< 0.06 U	**0.64**
Magnesium, Dissolved	7439-95-4	ug/L								--		**6500**	**8200**	**6900**
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--		**4**	**4.6**	**12**
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--		< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--		**1.6 J**	**1.6**	**2.1**
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--		**1.2**	**1.4**	**2.1**
Potassium, Dissolved	7440-09-7	ug/L								--		**2800**	**3100**	**4200**
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--		**0.75 J**	< 0.58 U	**1.3 J**
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--		< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--		**26000**	**30000**	**54000**
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--		< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--		**1.3**	**1.4**	**3.6**
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		< 2.8 U	< 2.8 U	**5.3 J**
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--		**3100**	**37000**	**110000**
Antimony, Total	7440-36-0	ug/L	6	6	67					--		< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--		**2.6**	**8.6**	**21**
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--		**240**	**330**	**920**
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--		**1.3**	**2**	**5.9**
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--		**0.16**	**0.16**	**0.45**
Calcium, Total	7440-70-2	ug/L								--		**68000**	**76000**	**120000**
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--		**1 J**	**23**	**58**
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--		**5.6**	**14**	**38**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**13**	**33**	**93**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**1500**	**32000**	**95000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**9.9**	**31**	**77**
Magnesium, Total	7439-95-4	ug/L								--	**8200**	**18000**	**31000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**500**	**560**	**1600**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	**0.087 J**
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**0.63 J**	**1.6**	**2.6**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**4.2**	**19**	**54**
Potassium, Total	7440-09-7	ug/L								--	**3400**	**9000**	**20000**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**0.6 J**	**2.6**	**5.3 J+**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	**0.17 J**	**0.37 J**
Sodium, Total	7440-23-5	ug/L								--	**26000**	**31000**	**55000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	**0.37**	**1.3**
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**9.8**	**54**	**150**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**24**	**97**	**260**
General													
Alkalinity	STL00171	mg/L								--	**93**	**95**	**97**
pH	STL00204	SU								--	**8.2 J**	**8.11 J**	**8.14 J**
Total Dissolved Solids	STL00242	mg/L								--	**290**	**330**	**290**
Total Hardness	STL00009	mg/L								--	**200**	**260**	**420**
Total Suspended Solids	STL00161	mg/L								--	**1400**	**1300**	**4100**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

RCB	Analyte	CAS.NO	Units	PCL							Location	SJSR	SJSR	SJSR
											Sample ID	SJSR-081415-11	SJSR-081415-12	SJSR-081515-11
											Date	8/14/2015	8/14/2015	8/15/2015
											Sample Time	9:10	9:10	9:05
											Latitude	36.78162	36.78162	36.78162
											Longitude	-108.69278	-108.69278	-108.69278
	Metals, Dissolved													
	Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**2300 J**	< 25 UJ	**26 J**
	Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 0.5 U	< 0.5 U
	Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	**1.5**	**0.92 J**	**0.83 J**
	Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	**93 J**	**68 J**	**77**
	Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	< 0.25 U	< 0.25 U
	Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.25 U	< 0.25 U
	Calcium, Dissolved	7440-70-2	ug/L								--	**48000**	**54000**	**58000**
	Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**1.6 J**	< 0.5 U	< 0.5 U
	Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	**0.89 J**	< 0.5 U	< 0.5 U
	Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**3.6**	**1.9 J**	**2.8**
	Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	**1000 J**	< 10 UJ	**16 J**
	Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**2 J**	< 0.5 UJ	< 0.5 U
	Magnesium, Dissolved	7439-95-4	ug/L								--	**7300**	**7300**	**7700 J-**
	Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	**40 J**	< 0.5 UJ	**0.98 J**
	Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.1 U	< 0.1 U
	Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	**1.5 J**	**1.6 J**	**1.6 J**
	Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**1.8 J**	**0.75 J**	**0.71 J**
	Potassium, Dissolved	7440-09-7	ug/L								--	**2900**	**2400**	**2300**
	Potassium, Dissolved	9/7/7440	ug/L								--			
	Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**0.59 J**	**0.54 J**	< 0.5 U
	Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 0.5 U	< 0.5 U
	Sodium, Dissolved	7440-23-5	ug/L								--	**25000**	**26000**	**23000 J-**
	Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.5 U	< 0.5 U
	Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	**5.5**	**1.3 J**	**1.2 J**
	Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**7.5 J**	< 2.5 U	< 2.5 U
	Metals, Total													
	Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	**29000**	**28000**	**27000**
	Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 0.5 U	< 0.5 U
	Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	**6.2**	**6**	**6.2**
	Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	**320**	**310**	**280**
	Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	**1.2**	**1.1**	**0.93**
	Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.25 U	**0.26 J**
	Calcium, Total	7440-70-2	ug/L								--	**79000**	**79000**	**88000**
	Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	**9.8**	**9.5**	**9.4**
	Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	**8.2**	**8.1**	**6.7**

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	**23**	**23**	**18**
Iron, Total	7439-89-6	ug/L	120000		120000					--	**24000**	**25000**	**19000**
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	**23**	**22**	**19**
Magnesium, Total	7439-95-4	ug/L								--	**15000**	**16000**	**16000**
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	**420**	**420**	**330**
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	**0.1 J**	< 0.1 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	**1.4 J**	**1.3 J**	**2**
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	**12**	**12**	**13**
Potassium, Total	7440-09-7	ug/L								--	**7300 J+**	**7400 J+**	**8200**
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	**1.1 J**	**1 J**	**1.2 J**
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 0.5 U	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	**32000**	**32000**	**28000**
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.5 U	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	**30**	**29**	**24**
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	**84**	**78**	**72**
General													
Alkalinity	STL00171	mg/L								--	**100**	**100**	**100**
pH	STL00204	SU								--	**8.18 J**	**8.22 J**	**8.22 J**
Total Dissolved Solids	STL00242	mg/L								--	**330**	**340**	**330**
Total Hardness	STL00009	mg/L								--	**260**	**260**	**290**
Total Suspended Solids	STL00161	mg/L								--	**1200**	**1200**	**1100**

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

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